

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5**

IN THE MATTER OF:

**United States Steel Corporation – Gary Works
One North Broadway
Gary, Indiana 46402-3199**

Attention: Kenneth Mentzel, Manager, Environmental Control

Request to Provide Information Pursuant to the Clean Air Act

The U.S. Environmental Protection Agency (“EPA”) is requiring United States Steel Corporation (US Steel, you) to submit certain information about your facility in Gary, Indiana (Facility). Appendix B specifies the information that you must submit. Unless explicitly noted in Appendix B, you must send this information to us within thirty (30) calendar days after you receive this request.

We are issuing this information request under section 114(a) of the Clean Air Act (the “Act”), 42 U.S.C. § 7414(a). Section 114(a) authorizes the Administrator of the EPA to require the submission of information. The Administrator has delegated this authority to the Director of the Air and Radiation Division, Region 5.

US Steel owns and operates an emission source or sources at its Gary, Indiana, facility. We are requesting this information to determine whether emission sources at the facility are complying with the Indiana State Implementation Plan and the Clean Air Act.

You must send all required information to:

Attn: Compliance Tracker, AE-17J
Air Enforcement and Compliance Assurance Branch
U.S. Environmental Protection Agency
Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604

with copies to Indiana Department of Environmental Management:

Thomas Easterly, Commissioner
Indiana Department of Environmental Management
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

You may consider the information confidential that you submit to us. You may assert a claim of business confidentiality for any portion of the submitted information under 40 C.F.R. Part 2, Subpart B. Appendix A specifies the assertion and substantiation requirements for business confidentiality claims.

US Steel must submit all requested information under an authorized signature with the following certification:

I certify under penalty of law that I have examined and am familiar with the information in the enclosed documents, including all attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are, to the best of my knowledge and belief, true and complete. I am aware that there are significant penalties for knowingly submitting false statements and information, including the possibility of fines or imprisonment pursuant to section 113(c)(2) of the Act, and 18 U.S.C. §§ 1001 and 1341.

We may use any information submitted in response to this request in an administrative, civil, or criminal action.

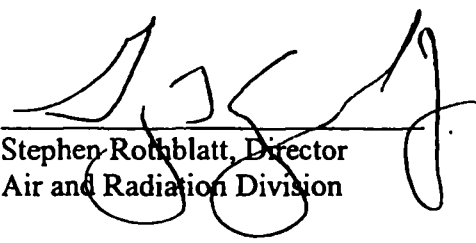
This request is not subject to the Paperwork Reduction Act, 44 U.S.C. § 3501 et seq., because it seeks collection of information from specific individuals or entities as part of an administrative action or investigation. To aid in our electronic record keeping efforts, please provide your response to this request for information without staples. Paper clips, binder clips, and 3-ring binders are acceptable.

Failure to comply fully with this request for information may subject US Steel to an

enforcement action under section 113 of the Act, 42 U.S.C. § 7413.

You should direct any questions about this request for information to Brian Dickens at (312) 886-6073 or Daniel Schaufelberger at (312) 886-6814.

10/26/07
Date



Stephen Rothblatt, Director
Air and Radiation Division For

Appendix A

Confidential Business Information (CBI) Assertion and Substantiation Requirements

A. Assertion Requirements

You may assert a business confidentiality claim covering all or part of the information requested in the attached letter, as provided in 40 C.F.R. § 2.203(b). To make a confidentiality claim, submit the requested information and indicate that you are making a claim of confidentiality. Any document over which you make a claim of confidentiality should be marked by attaching a cover sheet stamped or typed with a legend to indicate the intent to claim confidentiality. The stamped or typed legend, or other suitable form of notice, should employ language such as “trade secret” or “proprietary” or “company confidential” and indicate a date if any when the information should no longer be treated as confidential. Information covered by such a claim will be disclosed by the U.S. Environmental Protection Agency (EPA) only to the extent permitted and by means of the procedures set forth by Section 114(c) of the Clean Air Act (the Act), and 40 C.F.R. Part 2. Allegedly confidential portions of otherwise non-confidential documents should be clearly identified. EPA will construe the failure to furnish a confidentiality claim with your response to the attached letter as a waiver of that claim, and the information may be made available to the public without further notice to you.

Please segregate personnel, medical and similar files from your responses and include that information on separate sheet(s) marked as “Personal Privacy Information” given that disclosure of such information to the general public may constitute an invasion of privacy.

B. Substantiation Requirements

All confidentiality claims are subject to EPA verification and must be made in accordance with 40 C.F.R. § 2.208 which provides in part that you satisfactorily show that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so; and that the information is not and has not been reasonably obtainable by legitimate means without your consent.

Pursuant to 40 C.F.R. Part 2, Subpart B, EPA may at any time send you a letter asking you to substantiate fully your CBI claim. If you receive such a letter, you must provide EPA with a response within the number of days set forth in the EPA request letter. Failure to submit your comments within that time would be regarded as a waiver of your confidentiality claim or claims, and EPA may release the information. If you receive such a letter, EPA will ask you to specify which portions of the information you consider confidential. **You must be specific by page, paragraph, and sentence when identifying the information subject to your claim.** Any information not specifically identified as subject to a confidentiality claim may be disclosed to the requestor without further notice to you. For each item or class of information that you identify as being subject to CBI, you must answer the following questions, giving as much detail as possible:

1. For what period of time do you request that the information be maintained as confidential, e.g., until a certain date, until the occurrence of a specified event, or permanently? If the occurrence of a specific event will eliminate the need for confidentiality, please specify that event.
2. Information submitted to EPA becomes stale over time. Why should the information you claim as confidential be protected for the time period specified in your answer to question #1?
3. What measures have you taken to protect the information claimed as confidential? Have you disclosed the information to anyone other than a governmental body or someone who is bound by an agreement not to disclose the information further? If so, why should the information still be considered confidential?
4. Is the information contained in any publicly available material such as the Internet, publicly available databases, promotional publications, annual reports, or articles? Is there any means by which a member of the public could obtain access to the information? Is the information of a kind that you would customarily not release to the public?
5. Has any governmental body made a determination as to the confidentiality of the information? If so, please attach a copy of the determination.
6. For each category of information claimed as confidential, explain with specificity why release of the information is likely to cause substantial harm to your competitive position. Explain the specific nature of those harmful effects, why they should be viewed as substantial, and the causal relationship between disclosure and such harmful effects. How could your competitors make use of this information to your detriment?
7. Do you assert that the information is submitted on a voluntary or a mandatory basis? Please explain the reason for your assertion. If you assert that the information is voluntarily submitted information, explain whether and why disclosure of the information would tend to lessen the availability to EPA of similar information in the future.
8. Any other issue you deem relevant.

Please note that emission data provided under Section 114 of the Act, 42 U.S.C. § 7414, is not entitled to confidential treatment under 40 C.F.R. Part 2. "Emission data" means, with reference to any source of emission of any substance into the air-

Information necessary to determine the identity, amount, frequency, concentration, or other characteristics (to the extent related to air quality) of any emission which has been emitted by the source (or of any pollutant resulting from any emission by the source), or any combination of the foregoing;

Information necessary to determine the identity, amount, frequency, concentration, or other characteristics (to the extent related to air quality) of the emissions which, under an applicable standard or limitation, the source was authorized to emit (including, to the extent necessary for such purposes, a description of the manner and rate of operation of the source); and

A general description of the location and/or nature of the source to the extent necessary to identify the source and to distinguish it from other sources (including, to the extent necessary for such purposes, a description of the device, installation, or operation constituting the source). 40 C.F.R. §§ 2.301(a)(2)(i)(A), (B) and (C).

Emission data includes, but is not limited to, service records stating the amount of refrigerant added to a unit or reclaimed from a unit.

If you receive a request for a substantiation letter from the EPA, you bear the burden of substantiating your confidentiality claim. Conclusory allegations will be given little or no weight in the determination. In substantiating your CBI claim(s), you must bracket all text so claimed and mark it "CBI." Information so designated will be disclosed by EPA only to the extent allowed by, and by means of the procedures set forth in, 40 C.F.R. Part 2, Subpart B. If you fail to claim the information as confidential, it may be made available to the public without further notice to you.

Appendix B

1. Provide the date of the most recent reline for each furnace 4, 6, and 8. For each most recent furnace reline, provide a narrative description of the changes made to the furnace, explaining the difference in refractory, controls or any other change that was not an exact replacement in kind. Provide the production from each furnace for the 4 years prior to the most recent reline and 4 years after the most recent reline, in tons of hot metal per hour.
2. Provide the emissions of hydrogen cyanide (HCN) from blast furnace operations for each blast furnace. Provide a narrative description of how US Steel calculated or measured these emissions.
3. Provide a narrative description of how US Steel complies with the VOC reduction requirements stated in 326 IAC 8-7. State if US Steel submitted a RACT plan to IDEM as part of its method of compliance and if so, provide a copy of that plan as it existed on May 14, 2007.
4. Provide instances in which the particulate matter limit found in 326 IAC 6.8-1-2(a) and in Section D.8.3 and D.9.3 of US Steel's Title V permit was not met for the roof monitors of No. 1 BOP Shop and No. 2 Q-BOP Shop in the period January 1, 2002 to the date of receipt of this letter. Provide a narrative description of how US Steel complies with the particulate emission limit stated in 326 IAC 6.8-1-2(a).
5. Provide the number of hours that the pilot flame was not present for each month from January 1, 2005, through the date of receipt of this request. If US Steel is not able to provide this information because the data is not available, provide the number of times in each month since January 1, 2005, that a flare controlling blast furnace gas emissions has lost its pilot flame.
6. Provide the increase in emissions of sulfur dioxide from the blast furnace casthouse and all emission units that burn blast furnace gas as a result of the Pulverized Coal Injection project. Provide a description of the methods US Steel used to arrive at this emission increase.
7. Provide the monthly average sulfur content of the blast furnace gas for blast furnace 13 for the period beginning January 1, 1988, through 1996. If US Steel is not able to provide this information because the data is not available, provide all data that states the sulfur content of the No. 4, 6, 8 and 13 blast furnace gas during this time period.
8. Provide a narrative description of the control equipment operation in the #14 casthouse. Describe how operations personnel position the pollution control dampers prior to, during and after opening a second tap hole while one hole is already tapping. Also provide a

schematic diagram of the pollution control system that indicates the position of the dampers.

9. Provide a copy of all Operation and Maintenance Plans required by the National Emission Standards for Hazardous Air Pollutants, Subpart FFFFF for Integrated Iron and Steel at 40 C.F.R. § 63.7800. Provide a copy of each plan that was in effect on May 14, 2007, and provide the date that each previous and subsequent final version of each plan was generated.

10. Provide a narrative description of the methods US Steel uses to control emissions from hot iron transfer railcars (bottle cars) as they move through the plant.

11. Provide a copy of all Title V quarterly deviation reports that US Steel has submitted to IDEM, or its agent as of the date of your receipt of this request.

Ex. 5 - Deliberative Process

12. Provide a copy of the blast furnace #14 permit to construct/install.

13. Emissions Testing: US Steel must conduct tests to determine the opacity of particulate matter being emitted to the environment according to the schedule below. Specifically, US Steel must perform the following tests pursuant to 40 C.F.R Part 60, Appendix A, EPA Method 9 for:

- The #4 partial enclosure around the iron spout and bottle car/torpedo car for two consecutive taps, twice per week (four heats per week) for two consecutive weeks.
- The #6 partial enclosure around the iron spout and bottle car/torpedo car for two consecutive taps, twice per week (four heats per week) for two consecutive weeks.
- The #8 partial enclosure around the iron spout and bottle car/torpedo car for two consecutive taps, twice per week (four heats per week) for two consecutive weeks.
- The gas cleaning system stacks at the No. 1 BOP Shop and No. 2 Q-BOP Shop during two consecutive steel-making cycles (scrap charge, hot metal charge, blow, tap, etc.) twice per week (four per week total) for two consecutive weeks.
- The roof monitors at the No. 1 BOP Shop and No. 2 Q-BOP Shop during two consecutive steel-making cycles (scrap charge, hot metal charge, blow, tap, etc.) twice per week (four per week total) for two consecutive weeks.
- Building openings near the No. 2 Q-BOP Shop slag skimming operation for four slag skimming events for two consecutive weeks.

- a. US Steel must begin taking these readings within 2 weeks of receipt of this request.
- b. The results of these readings and any related information shall be submitted within 60 days of receipt of this request.

- c. For the readings taken at the No. 4, 6, and 8 partial enclosures around the iron spouts and No. 2 Q-BOP Shop slag skimming area, the readings must be taken just on the outside of the partial enclosures where particulate, if any, escapes to the atmosphere. Readings shall not be taken at the roof monitor of the respective shops.
 - d. US Steel must record and submit to EPA any operational practice or parameter that existed during the time of the opacity readings that is different from normal conditions.
 - e. US Steel must record and submit to EPA the time that the tap hole was open and closed during the period readings were taken at the blast furnaces.
 - f. US Steel must submit the results of any other emission or opacity tests, emissions characterization, or emissions studies, conducted or attempted between the date of receipt of this request and the date of response to this request.
14. From January 1, 2002 until the date of receipt of this letter, provide all stack tests and engineering tests conducted at coke oven batteries 2, 5 and 7.
 15. From January 1, 2002 until the date of receipt of this letter, provide all excess emissions reports for coke oven batteries 2, 5 and 7.
 16. From January 1, 2002 until the date of receipt of this letter, provide all stack tests and engineering tests conducted at the No. 1 BOP Shop and No. 2 Q-BOP Shop.
 17. From January 1, 2002 until the date of receipt of this letter, provide all excess emissions and deviation reports for the No. 1 BOP Shop and No. 2 Q-BOP Shop. Also include reports that show visible emission exceedances at the No. 1 BOP Shop and No. 2 Q-BOP Shop, as recorded daily in accordance with Section D.8.11 of U.S. Steel's Title V permit.
 18. Provide all pickling line performance tests, not including appendices, which have been conducted since June 2005, not including the November 15, 2005 test conducted on the 84" Pickling Line and the November 17, 2005 test conducted on the 80" Pickling Line.
 19. From January 1, 2002 until the date of receipt of this letter, provide all performance reports prepared to satisfy requirements of 40 C.F.R 63, Subpart CCC (Steel Pickling NESHAP).
 20. Provide all maintenance records for any equipment subject to 40 C.F.R. Part 61 Subpart V from January 2002 to present. Include records for maintenance requests relating to equipment leaks.

CERTIFICATE OF MAILING

I, Shanee Rucker, hereby certify that the attached Request for Information Pursuant to the Clean Air Act was sent by Certified Mail, Return Receipt to:

Kenneth Mentzel, Manager, Environmental Control
United States Steel Corporation – Gary Works
One North Broadway
Gary, Indiana 46402-3199

I also certify that a copy of the Request for Information pursuant to the Clean Air Act was sent by First Class Mail to:

Thomas Easterly, Commissioner
Indiana Department of Environmental Management
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

on the 5th day of November 2007.



Shanee Rucker, Secretary
EPA Region 5, ARD
AECAS (MI/WT)

Certified Mail Receipt Number: 7001 0320 0006 0185 9273

Ex. 5 - Deliberative Process



Ex. 5 - Deliberative Process



Ex. 5 - Deliberative Process



Ex. 5 - Deliberative Process



ATTACHMENT 4**Request No. 4:**

Provide instances in which the particulate matter limit found in 326 IAC 6.8-1-2(a) and in Section D.8.3 and D.9.3 of U. S. Steel's Title V permit was not met for the roof monitors of No. 1 BOP Shop and No. 2 Q-BOP Shop in the period January 1, 2002 to the date of receipt of this letter. Provide a narrative description of how U. S. Steel complies with the particulate emission limit stated in 326 IAC 6.8-1-2(a).

U. S. Steel Response:

U. S. Steel has no record indicating that the particulate matter limit found in 326 IAC 6.8-1-2(a) and in section D.8.3 and D.9.3 of US Steel's Title V permit has been violated during the time period requested. U. S. Steel complies with the particulate emission limit by operating the associated pollution control equipment under the operating and maintenance plans required by the National Emission Standards for Hazardous Air Pollutants, Subpart FFFFF for Integrated Iron and Steel at 40 C.F.R. 63.7800. The compliance determination methods provided at 326 IAC 6.8-1-3 (40 CFR 60, Appendix A, EPA Methods 1-5) are not feasible or appropriate at the referenced roof monitor locations (SS6636, NS6637, SS6638, NS6631, NS6632, NS6633, or NS 6634.)

United States Steel Corporation Gary Works

40 CFR 63 Subpart FFFFF National Emission Standards for Hazardous Air Pollutants For Integrated Iron and Steel Manufacturing Facilities

□ Operation and Maintenance Plan

Applicable to the following:

- Processes:**
 - No. 1 BOP Daisy BOP Vessel
 - No. 1 BOP Evelyn BOP Vessel
 - No. 1 BOP Mary BOP Vessel
- Capture Systems:**
 - No. 1 BOP Daisy BOP Vessel hoods, dampers, ductwork, and fans common to North and South Gas Cleaners (Venturi Scrubbers)
 - No. 1 BOP Evelyn BOP Vessel hoods, dampers, ductwork, and fans common to North and South Gas Cleaners (Venturi Scrubbers)
 - No. 1 BOP Mary BOP Vessel hoods, dampers, ductwork, and fans common to North and South Gas Cleaners (Venturi Scrubbers)
- Control Equipment:**
 - BOP Vessels North Gas Cleaner (Venturi Scrubber)
 - BOP Vessels South Gas Cleaner (Venturi Scrubber)
 - Reladle and Hot Metal Desulfurization Baghouse (bag leak detection system only)
 - CAS-OB Baghouse (bag leak detection system only)

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Revision No. 1
Date: 5/22/06

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Appendices

Table 4.0-2: U.S. Steel – Gary Works, Continuous Compliance Plan (CCP) for No. 1 BOP Shop Operations, Inspection Program for Gas Cleaning System Scrubbers (North and South)

1.0 Introduction

1.1 Background

National Emissions Standards for Hazardous Air Pollutants for Integrated Iron and Steel Manufacturing were promulgated under 40 CFR 63 Subpart FFFFFF on May 20, 2003. The standards specify the following as affected facilities under 40 CFR 63 Subpart FFFFFF:

- sinter plants
- blast furnaces
- basic oxygen process furnaces (BOPF)

The standards address emissions from each of the following emission sources:

- Sinter plant windbox exhaust
- Sinter plant discharge end
- Blast furnace casthouse
- Basic oxygen process furnace (BOPF)
- BOPF shop hot metal transfer
- BOPF shop hot metal desulfurization
- BOPF shop hot metal slag skimming
- BOPF shop ladle metallurgy

1.2 Purpose

These standards require that certain plans be developed and implemented by May 22, 2006. The purpose of this document is to comply with the requirements of 40 CFR 63 Subparts A and FFFFFF to develop and implement the following plans:

- Operation and maintenance plan
- Site-specific monitoring plan
- Startup, shutdown and malfunction plan

1.3 Applicability

1.3(a) Operation and Maintenance Plan

40 CFR 63.7800 requires that a written Operation and Maintenance plan be developed and implemented for the following particulate emission capture systems* and particulate emission control devices specified in 40 CFR 63.7790(b):

- Sinter plant discharge end particulate emission capture systems

- Blast furnace casthouse particulate emission capture systems
- BOPF secondary particulate emission capture systems
- BOPF venturi scrubber primary particulate emission control systems
- BOPF electrostatic precipitator primary particulate emission control systems

* For purposes of this plan, "emission capture system" includes emission capture hoods, ductwork, dampers and fans important to the efficient collection and transport of particulate emissions to a particulate emission control device. The particulate emission control device is not part of the particulate emission capture system.

The Operations and Maintenance Plan for the No. 1 BOP control equipment is included in this document.

1.3(b) Site-Specific Monitoring Plan

40 CFR 63.7831(a) requires that a Site-Specific Monitoring Plan be developed and implemented for each Continuous Parametric Monitoring System (CPMS) required in 40 CFR 63.7830. Therefore, each CPMS associated with each particulate emission capture system and each particulate emission control device required to have an Operation and Maintenance Plan, listed in 1.3(a) above, is also required to have a Site-Specific Monitoring Plan.

The Site-Specific Monitoring Plan is not included in this document. It is included in a separate document.

1.3(c) Startup, Shutdown and Malfunction Plans

40 CFR 63.7810(c) requires that a written Startup, Shutdown and Malfunction Plan be developed and implemented according to the requirements of 40 CFR 63.6(e)(3), which states in part:

"...The owner or operator of an affected source must develop and implement a written startup, shutdown and malfunction plan that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown and malfunction, and a program of corrective action for malfunctioning process and air pollution control and monitoring equipment used to comply with the relevant standard."

Therefore, the Startup, Shutdown and Malfunction Plan must address all process, particulate emission control equipment and monitoring equipment used to comply with the standard.

The Startup, Shutdown and Malfunction Plan is not included in this document. It is included in a separate document.

2.0 Operation and Maintenance Plans

2.1 Scope

The following particulate emission capture systems and particulate emission control devices are covered by this plan:

- Particulate emission capture systems
 - No. 1 BOP Daisy BOP Vessel hoods, dampers, ductwork, and fans to common North and South Gas Cleaners (Venturi Scrubbers)
 - No. 1 BOP Evelyn BOP Vessel hoods, dampers, ductwork, and fans to common North and South Gas Cleaners (Venturi Scrubbers)
 - No. 1 BOP Mary BOP Vessel hoods, dampers, ductwork, and fans to common North and South Gas Cleaners (Venturi Scrubbers)
- Particulate emission control devices
 - BOP Vessels North Gas Cleaner (Venturi Scrubber)
 - BOP Vessels South Gas Cleaner (Venturi Scrubber)
 - Reladle and Hot Metal Desulfurization Baghouse (bag leak detection system only)
 - CAS-OB Baghouse (bag leak detection system only)

2.1.1 The purpose of this plan is to ensure that the above are operated and maintained in a manner consistent with good air pollution control practices. (63.7800(a))

2.1.2 Definitions

2.1.2.1 Control device consists of the scrubber components (venturi sections).

2.2 Plan Elements

2.2.1 Equipment inspection of capture systems for the North and South Gas Cleaners (63.7800(b)(1))

<u>Equipment</u>	<u>Inspecting Frequency</u>	<u>Inspecting Department</u>	<u>Recording Method</u>	<u>Regulatory Citation</u>
Ductwork (external)	Monthly	Maintenance	Title V System	63.7800(b)(1)
Hoods	Monthly	Maintenance	Title V System	63.7800(b)(1)
Pressure Sensors	Monthly	Maintenance	Title V System	63.7800(b)(1)

Dampers and Damper Switches	Monthly	Maintenance	Title V System	63.7800(b)(1)
Fans Exterior Integrity	Monthly	Maintenance	Title V System	63.7800(b)(1)
Fans Bearings and Couplings	Monthly	Maintenance	Title V System	63.7800(b)(1)
Fan Motors Bearings	Monthly	Maintenance	Title V System	63.7800(b)(1)
Fan Housing and Seals	Monthly	Maintenance	Title V System	63.7800(b)(1)

2.2.1.1 All deficiencies found during inspections listed in the above table such as holes, corrosion, deformation, broken drive shafts or other conditions affecting performance will be recorded on existing inspection forms. Corrective action will be completed before the next scheduled inspection.

2.2.2 Preventative Maintenance for the North and South Gas Cleaners (63.7800(b)(2))

2.2.2.1 Refer to current scrubber inspection frequency in the Continuous Compliance Plan (CCP) for the scrubbers.

2.2.2.2 The preventative maintenance schedule is consistent with the manufacturer's instructions for routine or long term maintenance.

2.2.3 Corrective action (CA) procedures for venturi scrubbers (Gas Cleaners) (63.7800(b)(5) & 63.7833(g))

<u>Hourly Average Pressure Drop or Water Flow Rate Alarm Response</u>	<u>Response Action</u>	<u>Corrective Action (CA) Responsibilities</u>	<u>Recording Method</u>	<u>Regulatory Citation</u>
Within 1 hour	Initiate CA to determine the cause of the alarm.	Maintenance	Title V System	64.7800(b)(5) & 63.7833(g)
Within 24 hours	Measure and record the hourly average to determine if CA successful.	Maintenance	Title V System	64.7800(b)(5) & 63.7833(g)
Within 48 hours (if first CA not	Measure and record the hourly	Maintenance	Title V System	64.7800(b)(5) & 63.7833(g)

successful)	average to determine if CA successful.			
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2.2.4 Corrective action (CA) procedures for bag leak detectors (63.7800(b)(4))

2.2.4.1 Bag leak detectors are installed on both the Reladle and Hot Metal Desulfurization Baghouse and the CAS-OB Baghouse.

<u>Bag Leak Detector Alarm Response</u>	<u>Response Action</u>	<u>Corrective Action (CA) Responsibilities</u>	<u>Recording Method</u>	<u>Regulatory Citation</u>
Within 1 hour	Initiate CA to determine the cause of the alarm.	Maintenance	Title V System	63.7800(b)(4)
Within 24 hours	Initiate CA to correct the cause of the problem.	Maintenance	Title V System	63.7800(b)(4)
As soon as practicable	Complete CA.	Maintenance	Title V System	63.7800(b)(4)

2.2.5 Inspections specific to all applicable baghouses (63.7830(b)(4)(i)-(viii))

<u>Baghouse Equipment</u>	<u>Inspection Frequency</u>	<u>Inspection Task</u>	<u>Recording Method</u>	<u>Regulatory Citation</u>
Monitor the pressure drop across each baghouse cell each day to ensure pressure drop is within the normal operating range identified in the manual.	Daily	Maintenance	Title V System	63.7830(b)(1)
Confirm that dust is being removed from hoppers through weekly visual inspections or other means of ensuring the proper functioning of removal mechanisms.	Weekly	Maintenance	Title V System	63.7830(b)(2)
Check the compressed air supply for pulse-jet baghouses.	Daily	Maintenance	Title V System	63.7830(b)(3)

Monitor cleaning cycles to ensure proper operation using an appropriate methodology.	Daily	Maintenance	Title V System	63.7830(b)(4)
Check bag cleaning mechanisms for proper functioning using an appropriate methodology.	Monthly	Maintenance	Title V System	63.7830(b)(5)
Confirm the physical integrity of the baghouse through visual inspections of the baghouse interior for air leaks.	Quarterly	Maintenance	Title V System	63.7830(b)(7)
Inspect fans for wear, material buildup, and corrosion through quarterly visual inspections, vibration detectors or equivalent means.	Quarterly	Maintenance	Title V System	63.7830(b)(8)

3.0 Plan Maintenance, Recordkeeping and Reporting

3.1 Initial plan requirements

- The Operation and Maintenance Plan must be developed and implemented by May 22, 2006.
- Failure to meet any condition in a plan is a deviation and must be reported as such in your periodic deviation report.

3.2 Plan revisions

- The O & M Plan may be revised at any time without permitting agency notification.

3.3 Recordkeeping

- You must keep all current plans, superceded plans and all information necessary to demonstrate that you have complied with each plan requirement on-site for a period of at least 5 years. The first three years the information must be kept on-site and the last two years the information can be stored off-site.

United States Steel Corporation Gary Works

40 CFR 63 Subpart FFFFF National Emission Standards for Hazardous Air Pollutants For Integrated Iron and Steel Manufacturing Facilities

□ Operation and Maintenance Plan

Applicable to the following:

- Processes:**
 - No. 2 QBOP "T" QBOP Vessel
 - No. 2 QBOP "W" QBOP Vessel
 - No. 2 QBOP "Y" QBOP Vessel
- Capture Systems:**
 - No. 2 QBOP Secondary Emissions Control (SEC) Baghouse hoods, dampers, ductwork, and fans
- Control Equipment:**
 - QBOP Vessels East Gas Cleaner (Venturi Scrubber)
 - QBOP Vessels West Gas Cleaner (Venturi Scrubber)
 - Secondary Emissions Control (SEC) Baghouse (bag leak detection system only)
 - Mixer Desulfurization Baghouse (bag leak detection system only)
 - No. 1 LMF (Ladle Metallurgical Furnace) Baghouse (bag leak detection system only)
 - No. 2 LMF Baghouse (bag leak detection system only)
 - RH Degasser Baghouse (bag leak detection system only)

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Appendices

Table 4.0-1B: U.S. Steel – Gary Works, Continuous Compliance Plan (CCP) for No. 2 QBOP Shop Operations, Inspection Program for Secondary Emissions Baghouse

Table 4.0-2: U.S. Steel – Gary Works, Continuous Compliance Plan (CCP) for No. 2 QBOP Shop Operations, Inspection Program for Gas Cleaning System Scrubbers (East and West)

1.0 Introduction

1.1 Background

National Emissions Standards for Hazardous Air Pollutants for Integrated Iron and Steel Manufacturing were promulgated under 40 CFR 63 Subpart FFFFF on May 20, 2003. The standards specify the following as affected facilities under 40 CFR 63 Subpart FFFFF:

- sinter plants
- blast furnaces
- basic oxygen process furnaces (BOPF)

The standards address emissions from each of the following emission sources:

- Sinter plant windbox exhaust
- Sinter plant discharge end
- Blast furnace casthouse
- Basic oxygen process furnace (BOPF)
- BOPF shop hot metal transfer
- BOPF shop hot metal desulfurization
- BOPF shop hot metal slag skimming
- BOPF shop ladle metallurgy

1.2 Purpose

These standards require that certain plans be developed and implemented by May 22, 2006. The purpose of this document is to comply with the requirements of 40 CFR 63 Subparts A and FFFFF to develop and implement the following plans:

- Operation and maintenance plan
- Site-specific monitoring plan
- Startup, shutdown and malfunction plan

1.3 Applicability

1.3(a) Operation and Maintenance Plan

40 CFR 63.7800 requires that a written Operation and Maintenance plan be developed and implemented for the following particulate emission capture systems* and particulate emission control devices specified in 40 CFR 63.7790(b):

- Sinter plant discharge end particulate emission capture systems

- Blast furnace casthouse particulate emission capture systems
- BOPF secondary particulate emission capture systems
- BOPF venturi scrubber primary particulate emission control systems
- BOPF electrostatic precipitator primary particulate emission control systems

* For purposes of this plan, "emission capture system" includes emission capture hoods, ductwork, dampers and fans important to the efficient collection and transport of particulate emissions to a particulate emission control device. The particulate emission control device is not part of the particulate emission capture system.

The Operations and Maintenance Plan for the No. 2 QBOP capture systems and control equipment is included in this document.

1.3(b) Site-Specific Monitoring Plan

40 CFR 63.7831(a) requires that a Site-Specific Monitoring Plan be developed and implemented for each Continuous Parametric Monitoring System (CPMS) required in 40 CFR 63.7830. Therefore, each CPMS associated with each particulate emission capture system and each particulate emission control device required to have an Operation and Maintenance Plan, listed in 1.3(a) above, is also required to have a Site-Specific Monitoring Plan.

The Site-Specific Monitoring Plan is not included in this document. It is included in a separate document.

1.3(c) Startup, Shutdown and Malfunction Plans

40 CFR 63.7810(c) requires that a written Startup, Shutdown and Malfunction Plan be developed and implemented according to the requirements of 40 CFR 63.6(e)(3), which states in part:

"...The owner or operator of an affected source must develop and implement a written startup, shutdown and malfunction plan that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown and malfunction, and a program of corrective action for malfunctioning process and air pollution control and monitoring equipment used to comply with the relevant standard."

Therefore, the Startup, Shutdown and Malfunction Plan must address all process, particulate emission control equipment and monitoring equipment used to comply with the standard.

The Startup, Shutdown and Malfunction Plan is not included in this document. It is included in a separate document.

2.0 Operation and Maintenance Plans

2.1 Scope

The following particulate emission capture systems and particulate emission control devices are covered by this plan:

- Particulate emission capture systems
 - No. 2 QBOP "T" QBOP Vessel hoods, dampers, ductwork, and fans common to East and West Gas Cleaners (Venturi Scrubbers)
 - No. 2 QBOP "W" QBOP Vessel hoods, dampers, ductwork, and fans common to East and West Gas Cleaners (Venturi Scrubbers)
 - No. 2 QBOP "Y" QBOP Vessel hoods, dampers, ductwork, and fans common to East and West Gas Cleaners (Venturi Scrubbers)
 - SEC Baghouse hoods, dampers, ductwork, and fans
- Particulate emission control devices
 - QBOP Vessels East Gas Cleaner (Venturi Scrubber)
 - QBOP Vessels West Gas Cleaner (Venturi Scrubber)
 - SEC Baghouse (bag leak detection system only)
 - Mixer Desulfurization Baghouse (bag leak detection system only)
 - No. 1 LMF Baghouse (bag leak detection system only)
 - No. 2 LMF Baghouse (bag leak detection system only)
 - RH Degasser Baghouse (bag leak detection system only)

2.1.1 The purpose of this plan is to ensure that the above are operated and maintained in a manner consistent with good air pollution control practices. (63.7800(a))

2.1.2 Definitions

2.1.2.1 Capture systems includes the hood, ductwork, and fans.

2.1.2.2 Control devices consist of the scrubber components (venturi sections).

2.2 Plan Elements

2.2.1 Equipment inspection of capture systems for the East and West Gas Cleaners (63.7800(b)(1))

<u>Equipment</u>	<u>Inspecting Frequency</u>	<u>Inspecting Department</u>	<u>Recording Method</u>	<u>Regulatory Citation</u>
Ductwork	Monthly	Maintenance	Title V	63.7800(b)(1)

(external)			System	
Hoods	Monthly	Maintenance	Title V System	63.7800(b)(1)
Fans Exterior Integrity	Monthly	Maintenance	Title V System	63.7800(b)(1)
Fans Bearings and Couplings	Monthly	Maintenance	Title V System	63.7800(b)(1)
Fan Motors Bearings	Monthly	Maintenance	Title V System	63.7800(b)(1)
Fan Housing and Seals	Monthly	Maintenance	Title V System	63.7800(b)(1)

2.2.1.1 All deficiencies found during inspections listed in the above table such as holes, corrosion, deformation, broken drive shafts or other conditions affecting performance will be recorded on existing inspection forms. Corrective action will be completed before the next scheduled inspection.

2.2.2 Equipment inspection of capture systems for the SEC Baghouse (63.7800(b)(1))

<u>Equipment</u>	<u>Inspecting Frequency</u>	<u>Inspecting Department</u>	<u>Recording Method</u>	<u>Regulatory Citation</u>
Ductwork (external)	Monthly	Maintenance	Title V System	63.7800(b)(1)
Hoods	Monthly	Maintenance	Title V System	63.7800(b)(1)
Pressure Sensors	Monthly	Maintenance	Title V System	63.7800(b)(1)
Dampers and Damper Switches	Monthly	Maintenance	Title V System	63.7800(b)(1)
Fans Exterior Integrity	Monthly	Maintenance	Title V System	63.7800(b)(1)
Fans Bearings and Couplings	Monthly	Maintenance	Title V System	63.7800(b)(1)
Fan Motors Bearings	Monthly	Maintenance	Title V System	63.7800(b)(1)
Fan Housing and Seals	Monthly	Maintenance	Title V System	63.7800(b)(1)
Temperature Check	Monthly	Maintenance	Title V System	63.7800(b)(1)

2.2.2.1 All deficiencies found during inspections listed in the above table such as holes, corrosion, deformation, broken drive shafts or other conditions affecting performance

will be recorded on existing inspection forms. Corrective action will be completed before the next scheduled inspection.

2.2.3 Preventative Maintenance for the East and West Gas Cleaners (63.7800(b)(2))

- 2.2.3.1 Refer to current scrubber inspection frequency in the Continuous Compliance Plan (CCP) for the scrubbers.
- 2.2.3.2 The preventative maintenance schedule is consistent with the manufacturer's instructions for routine or long term maintenance.

2.2.4 Operating Limits for the SEC Baghouse (63.7800(b)(3))

<u>Operating Parameter</u>	<u>Why Chosen</u>	<u>Recording Method</u>	<u>Averaging Frequency</u>	<u>Regulatory Citation</u>
Fan amps	Current equipment	Continuous	Hourly average	63.7800(b)(3)
Damper positions	Current equipment	Continuous	N/A	63.7800(b)(3)

- 2.2.4.1 Fugitive particulate emissions generated from scrap charging, hot metal charging, tapping, and deskulking are captured and conveyed to the SEC Baghouse.
- 2.2.4.2 Description of capture system design will be maintained in the Title V System. (63.7800(b)(3)(iii))
- 2.2.4.3 Description of the capture system operating during production will be maintained in the Title V System. (63.7800(b)(3)(iii))
- 2.2.4.4 The rationale for why the operating parameter was chosen is because it is currently being measured. (63.7800(b)(3)(iii))
- 2.2.4.5 Description of each selected operating limit parameter will be maintained in the Title V System. (63.7800(b)(3)(iii))
- 2.2.4.6 Description of method used to monitor parameter will be maintained in the Title V System. (63.7800(b)(3)(iii))
- 2.2.4.7 Data used to set the value or settings for the parameter for each process configuration will be maintained in the Title V System. (63.7800(b)(3)(iii))

2.2.5 Corrective action (CA) procedures for venturi scrubbers (East and West Gas Cleaners) (63.7800(b)(5) & 63.7833(g))

<u>Hourly Average</u>	<u>Response Action</u>	<u>Corrective</u>	<u>Recording</u>	<u>Regulatory</u>
-----------------------	------------------------	-------------------	------------------	-------------------

<u>Pressure Drop or Water Flow Rate Alarm Response</u>		<u>Action (CA) Responsibilities</u>	<u>Method</u>	<u>Citation</u>
Within 1 hour	Initiate CA to determine the cause of the alarm.	Maintenance	Title V System	63.7800(b)(5) & 63.7833(g)
Within 24 hours	Measure and record the hourly average to determine if CA successful.	Maintenance	Title V System	63.7800(b)(5) & 63.7833(g)
Within 48 hours (if first CA not successful)	Measure and record the hourly average to determine if CA successful.	Maintenance	Title V System	63.7800(b)(5) & 63.7833(g)

2.2.6 Corrective action (CA) procedures for bag leak detectors (63.7800(b)(4))

2.2.6.1 Bag leak detectors are installed on the SEC Baghouse, Mixer Desulfurization Baghouse, No. 1 LMF Baghouse, No. 2 LMF Baghouse, and RH Degasser Baghouse. The installation of bag leak detectors is not required on the No. 3 LMF Baghouse, because it is a positive pressure baghouse without stacks.

<u>Bag Leak Detector Alarm Response</u>	<u>Response Action</u>	<u>Corrective Action (CA) Responsibilities</u>	<u>Recording Method</u>	<u>Regulatory Citation</u>
Within 1 hour	Initiate CA to determine the cause of the alarm.	Maintenance	Title V System	63.7800(b)(4)
Within 24 hours	Initiate CA to correct the cause of the problem.	Maintenance	Title V System	63.7800(b)(4)
As soon as practicable	Complete CA.	Maintenance	Title V System	63.7800(b)(4)

2.2.7 Inspections specific to all applicable baghouses (63.7830(b)(4)(i)-(viii))

<u>Baghouse Equipment</u>	<u>Inspection Frequency</u>	<u>Inspection Task</u>	<u>Recording Method</u>	<u>Regulatory Citation</u>
Monitor the pressure drop across each baghouse cell each day to ensure pressure drop is within the normal operating range identified in the manual.	Daily	Maintenance	Title V System	63.7830(b)(1)
Confirm that dust is being removed from hoppers through weekly visual inspections or other means of ensuring the proper functioning of removal mechanisms.	Weekly	Maintenance	Title V System	63.7830(b)(2)
Check the compressed air supply for pulse-jet baghouses.	Daily	Maintenance	Title V System	63.7830(b)(3)
Monitor cleaning cycles to ensure proper operation using an appropriate methodology.	Daily	Maintenance	Title V System	63.7830(b)(4)
Check bag cleaning mechanisms for proper functioning using an appropriate methodology.	Monthly	Maintenance	Title V System	63.7830(b)(5)
Confirm the physical integrity of the baghouse through visual inspections of the baghouse interior for air leaks.	Quarterly	Maintenance	Title V System	63.7830(b)(7)
Inspect fans for wear, material buildup, and corrosion through quarterly visual inspections, vibration detectors or equivalent means.	Quarterly	Maintenance	Title V System	63.7830(b)(8)

3.0 Plan Maintenance, Recordkeeping and Reporting

3.1 Initial plan requirements

- The Operation and Maintenance Plan must be developed and implemented by May 22, 2006.
- Failure to meet any condition in a plan is a deviation and must be reported as such in your periodic deviation report.

3.2 Plan revisions

- The O & M Plan may be revised at any time without permitting agency notification.

3.3 Recordkeeping

- You must keep all current plans, superceded plans and all information necessary to demonstrate that you have complied with each plan requirement on-site for a period of at least 5 years. The first three years the information must be kept on-site and the last two years the information can be stored off-site.

US Steel-Gary Works
 Gary, Indiana
 Permit Reviewer: Gail McGarity

T089-7663-00121

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION**

**PART 70 OPERATING PERMIT
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: U.S. Steel – Gary Works
 Source Address: One North Broadway, Gary, Indiana 46402
 Mailing Address: One North Broadway, Gary, Indiana 46402
 Part 70 Permit No.: T089-7663-00121

Months: October 1 to December 31 Year: 2006

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input checked="" type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
Permit Requirement (specify permit condition #) D.8.4(b)	
Date of Deviation: <u>12/19/06</u> <i>Don't have incidence report</i>	Duration of Deviation: 3 minutes
Number of Deviations: 1	
Probable Cause of Deviation: High cal lime was contaminated with limestone caused stopping on "E" furnace. Emissions could not be captured by the gas cleaner ductwork.	
Response Steps Taken: Visually check lime feed system to ensure that there is no contamination.	
Permit Requirement (specify permit condition #) D.8.4(b)	
Date of Deviation: 12/27/06	Duration of Deviation: 3 minutes 11:28-11:30am 21.67%
Number of Deviations: 1	
Probable Cause of Deviation: CASBell duct draft was less than optimal due to the following factors: cover on "D" CASBell hood was not in place; hatch on alloy chute did not move freely and lodged open and the hatch on "E" CASBell alloy chute was partially open.	
Response Steps Taken: Replaced cover on "D" CASBell hood and fix hatch on alloy chute to get a better seal.	

US Steel-Gary Works
Gary, Indiana
Permit Reviewer: Gail McGarity

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Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document is true, accurate and complete.

Form Completed By: Casey Carrabine
Title/Position: Division Manager, Steel Producing South
Date: January 11, 2007
Phone: 219.888.4803

US Steel-Gary Works
 Gary, Indiana
 Permit Reviewer: Gail McGarity

T089-7663-00121

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION**

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Source Name: U.S. Steel – Gary Works
 Source Address: One North Broadway, Gary, Indiana 46402
 Mailing Address: One North Broadway, Gary, Indiana 46402
 Part 70 Permit No.: T089-7663-00121

Months: January 1 to March 31 Year: 2007

Page 1 of 2

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<input checked="" type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
Permit Requirement (specify permit condition #) D.8.4(b), D.8.15	
Date of Deviation: 02/12/07	Duration of Deviation: 3 minutes
Number of Deviations: 1	8:24-8:27am 22.08%
Probable Cause of Deviation: Reaction from resuming the blow on Mary furnace.	
Response Steps Taken: Visually check lime feed system to ensure that there is no contamination.	
Permit Requirement (specify permit condition #) D.8.4(b), D.8.15	
Date of Deviation: 02/23/07	Duration of Deviation: 3 minutes
Number of Deviations: 1	11:24-11:27am 20.8%
Probable Cause of Deviation: Puffing condition from Evelyn's furnace lance port	
Response Steps Taken: Checked duct system for leaks and possible sources of extraneous air. Seal leaks between breach and upper hood.	

US Steel-Gary Works
Gary, Indiana
Permit Reviewer: Gail McGarity

T089-7663-00121

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Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document is true, accurate and complete.

Form Completed By: Robert H. Lange
Title/Position: Division Manager, Steel Producing South
Date: April 23, 2007
Phone: 219.888.7435

US Steel-Gary Works
 Gary, Indiana
 Permit Reviewer: Gail McGarrity

T089-7663-00121

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
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Source Name: U.S. Steel – Gary Works
 Source Address: One North Broadway, Gary, Indiana 46402
 Mailing Address: One North Broadway, Gary, Indiana 46402
 Part 70 Permit No.: T089-7663-00121

Months: April 1 to June 30 Year: 2007

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
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<input checked="" type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
Permit Requirement (specify permit condition #) D.8.4(b), D.8.15	
Date of Deviation: 04/10/07	Duration of Deviation: 9 minutes
Number of Deviations: 3	7:59 - 8:02am 20.42% 8:02 - 8:05am 42.08% 8:05 - 8:08am 45.63%
Probable Cause of Deviation: Hot metal burn through hot metal transfer ladle No. 3 required a reladle from ladle No. 3 to ladle No. 1.	
Response Steps Taken: Revised iron ladle visual inspection procedures and revised SOP to inspect and maintain the iron ladles on a routine basis.	
Permit Requirement (specify permit condition #) D.8.4(c)	
Date of Deviation: 05/18/07	Duration of Deviation: 6 minutes
Number of Deviations: 1	
Probable Cause of Deviation: Unknown portion of the sandblast material used to blast the fan as well as some of the material removed from the fan was not recovered by the vacuum truck prior to startup.	
Response Steps Taken: Developed procedure for blasting fans including additional steps to recover the blasting media and loosened material fully.	

US Steel-Gary Works
Gary, Indiana
Permit Reviewer: Gail McGarrity

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Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document is true, accurate and complete.

Form Completed By: Robert H. Lange
Title/Position: Division Manager, Steel Producing South
Date: July 20, 2007
Phone: 219.888.7435

US Steel Gary Works
 Gary, Indiana
 Permit Reviewer: Gail McGarity

T089-7663-00121

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Months: October 1 to December 31 Year: 2006

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
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<input checked="" type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
Permit Requirement (specify permit condition #) D.9.4(c)	
Date of Deviation: 11/09/06	Duration of Deviation: 3 minutes
Number of Deviations: 1	<i>12:53 - 12:55 pm 20.63%</i>
Probable Cause of Deviation: Wet scrap was delivered by Tube City (an outside contractor) to the QBOP without proper notification. Wet scrap was charged into the furnace without preheating.	
Response Steps Taken: Initiated scrap preheating to prevent further incidents.	
Permit Requirement (specify permit condition #) D.9.4(c)	
Date of Deviation: 11/22/06	Duration of Deviation: 3 minutes
Number of Deviations: 1	<i>11:30 - 11:33 am 22.08%</i>
Probable Cause of Deviation: Too much galvanized scrap was added to the regular scrap charge.	
Response Steps Taken: Segregate galvanized pile and limit use of pile to one magnet per heat. Re-instruct loading crane men to be alert for galvanized materials.	

US Steel-Gary Works
Gary, Indiana
Permit Reviewer: Gail McGarrity

T089-7663-00121

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Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document is true, accurate and complete.

Form Completed By: Marcel Novosad
Title/Position: Division Manager, Steel Producing North
Date: January 12, 2007
Phone: 219.888.4397
Attach a signed certification to complete this report.

US Steel-Gary Works
Gary, Indiana
Permit Reviewer: Gail McGarity

T089-7663-00121

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: U.S. Steel – Gary Works
Source Address: One North Broadway, Gary, Indiana 46402
Mailing Address: One North Broadway, Gary, Indiana 46402
Part 70 Permit No.: T089-7663-00121

Months: January 1 to March 31 Year: 2007

Page 1 of 1

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input checked="" type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
Permit Requirement (specify permit condition #) D.9.4(c), D.9.17	
Date of Deviation: 01/15/07	Duration of Deviation: 3 minutes
Number of Deviations: 1	9:01-9:04 AM 21.668
Probable Cause of Deviation: Water entrained in the scrap that was charged was possibly frozen.	
Response Steps Taken: Increase scrap preheating time to prevent further incidents.	

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document is true, accurate and complete.

Form Completed By: Casey C. Carrabine
Title/Position: Division Manager, Steel Producing North
Date: April 23, 2007
Phone: 219.888.4803

Attach a signed certification to complete this report.

USS 114 Response to Question 16
 Pollutant: PM
 Regulated by: 326 IAC 6.8-2-38 (71 FR 14383)

No. 1 BOP Shop Hot Metal Transfer and Desulfurization Stations Baghouse

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16a	11/14/2006	Run 1: Compartments 9, 10, 11, 12	0.007 gr/dscf	0.000258	Yes	15.0 lbs/hr	0.81	Yes	
		Run 2: Compartments 1, 2, 3, 8	0.007 gr/dscf	0.000394	Yes	15.0 lbs/hr	1.23	Yes	
		Run 3: Compartments 4, 5, 6, 7	0.007 gr/dscf	0.000739	Yes	15.0 lbs/hr	2.33	Yes	

No. 1 BOP Shop Gas Cleaning System Stacks (South Scrubber)

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16a	11/7/2006	Run 1	0.011 gr/dscf	0.00116	Yes	46.0 lbs/hr (total)	2.89	Yes	
		Run 2	0.011 gr/dscf	0.00133	Yes	46.0 lbs/hr (total)	3.28	Yes	
		Run 3	0.011 gr/dscf	0.000763	Yes	46.0 lbs/hr (total)	1.86	Yes	

No. 1 BOP Shop Casbell/OB Lancing Baghouse

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16a	11/14/2006	Run 1: Stacks 1, 2	0.007 gr/dscf	0.000419	Yes	5.1 lbs/hr	0.095	Yes	PM limit is 0.070 in SIP (Typo?), 0.0070 in Title V.
		Run 2: Stacks 3, 4	0.007 gr/dscf	0.000512	Yes	5.1 lbs/hr	0.120	Yes	
		Run 3: Stack 5	0.007 gr/dscf	0.000563	Yes	5.1 lbs/hr	0.139	Yes	

No. 2 Q-BOP Shop Hot Metal Transfer and Desulfurization Stations Baghouse

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16a	11/14/2006	Run 1: Compartments 1, 2, 3	0.007 gr/dscf	0.0005	Yes	13.0 lbs/hr	1.40	Yes	
		Run 2: Compartments 4, 5, 6	0.007 gr/dscf	0.0009	Yes	13.0 lbs/hr	2.30	Yes	
		Run 3: Compartments 7, 8, 9	0.007 gr/dscf	0.0009	Yes	13.0 lbs/hr	2.24	Yes	

No. 2 Q-BOP Shop Secondary Emissions Baghouse

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16a	11/14/2006	Run 1	0.007 gr/dscf	0.00379	Yes	27.0 lbs/hr	13.14	Yes	
		Run 2	0.007 gr/dscf	0.00668	Yes	27.0 lbs/hr	22.78	Yes	
		Run 3	0.007 gr/dscf	0.00531	Yes	27.0 lbs/hr	19.6	Yes	
16a	8/2/2007	Run 1	0.007 gr/dscf	0.00443	Yes	27.0 lbs/hr	10.95	Yes	
		Run 2	0.007 gr/dscf	0.00210	Yes	27.0 lbs/hr	5.39	Yes	
		Run 3	0.007 gr/dscf	0.00238	Yes	27.0 lbs/hr	6.14	Yes	

No. 2 Q-BOP Shop Gas Cleaning System Stacks (East and West Scrubber)

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16b	3/12-13/02	Run 1 (West)	0.0153 gr/dscf	0.0034	Yes	44.40 lbs/hr (total)	6.61	Yes	
		Run 2 (West)	0.0153 gr/dscf	0.0031	Yes	44.40 lbs/hr (total)	6.11	Yes	
		Run 3 (West)	0.0153 gr/dscf	0.0021	Yes	44.40 lbs/hr (total)	4.04	Yes	
16b	3/12-13/02	Run 1 (East)	0.0153 gr/dscf	0.0054	Yes	44.40 lbs/hr (total)	10.53	Yes	
		Run 2 (East)	0.0153 gr/dscf	0.0041	Yes	44.40 lbs/hr (total)	7.98	Yes	
		Run 3 (East)	0.0153 gr/dscf	0.0037	Yes	44.40 lbs/hr (total)	7.36	Yes	

No. 2 Q-BOP Shop Gas Cleaning System Stacks (East Scrubber NS6124)

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16b	11/7/2006	Run 1	0.0153 gr/dscf	0.00399	Yes	44.40 lbs/hr (total)	8.14	Yes	
		Run 2	0.0153 gr/dscf	0.00299	Yes	44.40 lbs/hr (total)	6.43	Yes	
		Run 3	0.0153 gr/dscf	0.00465	Yes	44.40 lbs/hr (total)	9.66	Yes	
16a	5/24/2007	Run 1	0.0153 gr/dscf	0.00497	Yes	44.40 lbs/hr (total)	9.02	Yes	
		Run 2	0.0153 gr/dscf	0.00557	Yes	44.40 lbs/hr (total)	10.78	Yes	
		Run 3	0.0153 gr/dscf	0.00604	Yes	44.40 lbs/hr (total)	12.14	Yes	

No. 2 Q-BOP Shop Gas Cleaning System Stacks (West Scrubber NS6125)

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16b	11/7/2006	Run 1	0.0153 gr/dscf	0.00215	Yes	44.40 lbs/hr (total)	4.06	Yes	
		Run 2	0.0153 gr/dscf	0.00153	Yes	44.40 lbs/hr (total)	3.00	Yes	
		Run 3	0.0153 gr/dscf	0.00247	Yes	44.40 lbs/hr (total)	4.83	Yes	
16b	5/24/2007	Run 1	0.0153 gr/dscf	0.00398	Yes	44.40 lbs/hr (total)	7.42	Yes	
		Run 2	0.0153 gr/dscf	0.00499	Yes	44.40 lbs/hr (total)	9.76	Yes	
		Run 3	0.0153 gr/dscf	0.00320	Yes	44.40 lbs/hr (total)	5.94	Yes	

No. 2 Q-BOP Shop LMF No. 1 Hot Fume Exhaust Baghouse

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16a	11/14/2006	Run 1: Stacks 1, 2	0.007 gr/dscf	0.00131	Yes	5.1 lbs/hr	0.242	Yes	
		Run 2: Stacks 3, 4	0.007 gr/dscf	0.00315	Yes	5.1 lbs/hr	0.612	Yes	
		Run 3: Stack 5	0.007 gr/dscf	0.000650	Yes	5.1 lbs/hr	0.132	Yes	

No. 2 Q-BOP Shop LMF No. 2 Hot Fume Exhaust Baghouse

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16a	11/7/2006	Run 1: Stacks 1, 2	0.007 gr/dscf	0.00132	Yes	5.1 lbs/hr	1.38	Yes	Stack 5 was broken and had no measurable flow for PM test. IDEM permitted just 1 - 4 test.
		Run 2: Stacks 3, 4	0.007 gr/dscf	0.000558	Yes	5.1 lbs/hr	0.67	Yes	
		Run 3: Stacks 3, 4	0.007 gr/dscf	0.000886	Yes	5.1 lbs/hr	0.97	Yes	
16a	11/7/2006	Run 1: Stacks 1, 2	0.007 gr/dscf	0.00132	Yes	5.1 lbs/hr	1.38	Yes	Duplicate copy of test? Stack 5 was broken and had no measurable flow for PM test. IDEM permitted just 1 - 4 test.
		Run 2: Stacks 3, 4	0.007 gr/dscf	0.000558	Yes	5.1 lbs/hr	0.67	Yes	
		Run 3: Stacks 3, 4	0.007 gr/dscf	0.000886	Yes	5.1 lbs/hr	0.97	Yes	

No. 2 Q-BOP Shop RH Vacuum Degasser Slag Conditioning Baghouse

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16a	11/21/2006	Run 1: Stacks 4, 3	0.007 gr/dscf	0.000885	Yes	5.49 lbs/hr	0.91	Yes	
		Run 2: Stacks 2, 1	0.007 gr/dscf	0.00232	Yes	5.49 lbs/hr	2.15	Yes	
		Run 3: Stacks 5, 6	0.007 gr/dscf	0.000649	Yes	5.49 lbs/hr	0.62	Yes	

No. 1 BOP Shop Hot Metal Transfer and Desulfurization Stations Baghouse

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16a	11/14/2006	Run 1: Compartments 9, 10, 11, 12	5%, 3-min avg (baghouse)	0%	Yes				
		Run 2: Compartments 1, 2, 3, 8	5%, 3-min avg (baghouse)	0%	Yes				
		Run 3: Compartments 4, 5, 6, 7	5%, 3-min avg (baghouse)	0%	Yes				

No. 1 BOP Shop Gas Cleaning System Stacks (South Scrubber)

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16a	11/7/2006	Run 1	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	20%, 6-min avg (scrubber)	Mostly 0%	Yes	
		Run 2	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	20%, 6-min avg (scrubber)	0%	Yes	
		Run 3	20%, 3-min avg (roof monitor)	0%	Yes	20%, 6-min avg (scrubber)	0%	Yes	

No. 2 Q-BOP Shop Hot Metal Transfer and Desulfurization Stations Baghouse

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16a	11/14/2006	Run 1: Compartments 1, 2, 3	5%, 3-min avg (baghouse)	0%	Yes				
		Run 2: Compartments 4, 5, 6	5%, 3-min avg (baghouse)	0%	Yes				
		Run 3: Compartments 7, 8, 9	5%, 3-min avg (baghouse)	0%	Yes				

No. 2 Q-BOP Shop Gas Cleaning System Stacks (East and West Scrubber)

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16b	3/12-13/02	Run 1 (West)	20%, 6-min avg (scrubber)	<2.1% 6 min avg	Yes				
		Run 2 (West)	20%, 6-min avg (scrubber)		Yes				
		Run 3 (West)	20%, 6-min avg (scrubber)		Yes				
16b	3/12-13/02	Run 1 (East)	20%, 6-min avg (scrubber)	<10.4% 6-min avgs	Yes				
		Run 2 (East)	20%, 6-min avg (scrubber)		Yes				
		Run 3 (East)	20%, 6-min avg (scrubber)		Yes				

No. 2 Q-BOP Shop Gas Cleaning System Stacks (East Scrubber NS6124)

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16b	11/7/2006	Run 1	20%, 6-min avg (scrubber)	Mostly 0%	Yes	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	
		Run 2	20%, 6-min avg (scrubber)	Mostly 0%	Yes	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	
		Run 3	20%, 6-min avg (scrubber)	Mostly 0%	Yes	20%, 3-min avg (roof monitor)	0%	Yes	
16a	5/24/2007	Run 1	20%, 6-min avg (scrubber)	Mostly 0%	Yes	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	
		Run 2	20%, 6-min avg (scrubber)	Mostly 0%	Yes	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	
		Run 3	20%, 6-min avg (scrubber)	0%	Yes	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	

No. 2 Q-BOP Shop Gas Cleaning System Stacks (West Scrubber NS6125)

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16b	11/7/2006	Run 1	20%, 6-min avg (scrubber)	Mostly 0%	Yes	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	
		Run 2	20%, 6-min avg (scrubber)	0%	Yes	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	
		Run 3	20%, 6-min avg (scrubber)	0%	Yes	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	
16b	5/24/2007	Run 1	20%, 6-min avg (scrubber)	Mostly 0%	Yes	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	
		Run 2	20%, 6-min avg (scrubber)	Mostly 0%	Yes	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	
		Run 3	20%, 6-min avg (scrubber)	0%	Yes	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	Missing pg. 1 of 3 VE for scrubber.

No. 2 Q-BOP Shop Secondary Emissions Baghouse

Binder	Letter Date	Run	Limit	Tested	Pass?	Limit	Tested	Pass?	Notes
16a	11/14/2006	Run 1	5%, 3-min avg (baghouse)	0%	Yes	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	
		Run 2	5%, 3-min avg (baghouse)	0%	Yes	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	
		Run 3	5%, 3-min avg (baghouse)	0%	Yes	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	
16a	8/2/2007	Run 1	5%, 3-min avg (baghouse)	0%	Yes	20%, 3-min avg (roof monitor)	0%	Yes	
		Run 2	5%, 3-min avg (baghouse)	Mostly 0%	Yes	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	
		Run 3	5%, 3-min avg (baghouse)	Mostly 0%	Yes	20%, 3-min avg (roof monitor)	Mostly 0%	Yes	

SECTION D.9

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Number 2 Q-BOP Shop

- (a) Two (2) Hot Metal Transfer and Desulfurization Stations, identified as NSDS0246, constructed in 1987, with a maximum capacity of 510 tons per hour. These stations included: two (2) Hot Metal Mixers, identified as NSMM0264 and two (2) Hot Metal Mixer Heaters, identified as NSMH0251, constructed in 1973, with a maximum capacity of 255 tons per hour. The natural gas fired mixer heaters have a heat input capacity of 10 MMBtu/hr each. Emissions from the hot metal transfer and desulfurization stations, mixers and heaters are controlled by the Hot Metal Transfer and Desulfurization Stations Baghouse NS3115 that discharges through NS614. The uncontrolled emissions exhaust through roof monitor NS6631.
- (b) Q-Basic Oxygen Process (BOP) vessels, constructed in 1973, consisting of BOP vessel T identified as NSVT0268, vessel W, identified as NSVW0269, and vessel Y, identified as NSVY0270, with a maximum capacity of 250 tons per hour each. Primary emissions are controlled by open combustion hood and two (2) Gas Cleaning Systems, secondary emissions are controlled by the Secondary Emissions Baghouse NS3124, exhausting to stack NS6123, and uncontrolled emissions exhaust through Roof Monitor NS6632.
- (c) Two (2) Gas Cleaning Systems, identified as NS3125 and NS3126 located in the gas cleaner facility, constructed in 1973, process the exhaust gases from the three (3) steel making vessels through three (3) quenchers, two (2) scuppers (tank like structures that remove excess quench water and solids from the gas stream), two (2) venturi scrubbers, two (2) separators, two (2) gas coolers with mist eliminators, and two (2) induced draft fans exhausting to Stacks NS6124 and NS6125.
- (d) Three (3) Flux Bins T, W, and Y, identified as NSVT0265, NSVW0266 and NSVY0267, constructed in 1973, with a maximum capacity of 141 tons per hour each. Emissions are controlled by five (5) baghouses. Three (3) Flux Transfer Baghouses at 166' level identified as NS3112, NS3108, and NS3107, exhausting through Stacks NS6623, NS6627 and NS6628 recycling captured material back to the process; One (1) North Flux Handling Baghouse at 116' level identified as NS3109 and one (1) South Flux Handling Baghouse at 116' level identified as NS3110, exhausting through stacks NS6626 and NS6625. Uncontrolled emissions exhaust through the roof monitor NS6632.
- (e) Three (3) Ladle Metallurgical Facilities, LMF1 identified as NSL10293, LMF 2 identified as NSL20294 were constructed in 1986 and LMF 3 identified as NSL30295, constructed in 1991 with a maximum capacity of 348 tons per hour each. Hot fume emissions from LMF 1 and 2 are controlled by Nos. 1 and 2 LMF Hot Fume Exhaust Baghouses NS3135 and NS3136, exhausting through stacks NS6146 and NS6147. Material handling emissions at LMF 1 and 2 are controlled by the LMF Nos. 1 and 2 Material Handling Baghouse NS3052, exhausting through stack NS6055. The LMF 3 Hot Fume Exhaust and Material Handling emissions are controlled by the LMF 3 Hot Fume and Material Handling Baghouse NS3137, exhausting to stack NS6148. All uncontrolled emissions exhaust through the roof monitor NS6634.
- (f) One (1) R-H Vacuum Degasser, identified as NSVD0271, constructed in 1989, with a maximum capacity of 297.1 tons of steel per hour consisting of two (2) natural gas fired heaters, one (1) active and one (1) spare, identified as NSAB0276 and NSSB0275, with heat input capacities of 12 MMBtu per hour and 3 MMBtu per hour, respectively. Carbon monoxide and other combustible gas emissions are controlled with a flare that exhausts through Stack NS6145 and uncontrolled emissions exhaust through the Roof Monitor NS6634.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Facility Description [326 IAC 2-7-5(15)]: Number 2 Q-BOP Shop (continued):

- (g) One (1) Slag Conditioning Station servicing the RH Vacuum Degasser, constructed in 1997, with a maximum capacity of 297.1 tons of steel per hour.
 - (1) PM₁₀ emissions from the station are controlled by a baghouse exhausting through Stacks S-1 through S-6 and recycling captured material back to the process.
 - (2) PM₁₀ emissions from the material handling of slag conditioning and metallurgical agents are exhausted through the RH Vacuum Degasser Slag Conditioning Baghouse NS3207, exhausting through Stack NS6636.
- (h) One (1) Daytank Lime Silo at the lime dumping station, identified as NSDS0250 constructed in 1971. Emissions are controlled by the Daytank Lime Silo baghouse NS3106, exhausting through the stack, NS6629.
- (i) Three (3) Continuous Casting Lines, identified as Lines A, B and C identified as, NCCA0284, NCCB0285 and NCCC0286, with a total maximum capacity of 800 tons per hour combined. Lines A and B were constructed in 1986. Line C was constructed in 1991. Emissions from the continuous casters go to the Roof Monitor NC6635.
- (j) Fourteen (14) natural gas fired Ladle Preheaters, identified as NBLD0262, eleven (11) with a heat input capacity of 9 MMBtu per hour each and three (3) with a heat input of 10 MMBtu per hour each. Emissions go through Roof Monitor NS6633.
- (k) Two (2) Hot Metal Ladle Skimmers, identified as NSLS0248, constructed in 1973. Emissions go through Roof Monitor NS6631.
- (l) Two (2) Steel Slag Skimming Stations, consisting of slag skimmers, identified as NSS10292 and NSS20287. Both were constructed in 1973. Emissions go through Roof Monitor NS6633.
- (m) One (1) Slingot Station, identified as NSST0290, constructed in 1986. Emissions go through Roof Monitor NS6634.
- (n) Eight (8) natural gas fired Tundish Preheaters located at the No. 2 Caster, with a heat input capacity of 6 MMBtu per hour each. Emissions go through Roof Monitor NC6635.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.9.1 General Provisions Relating to Hazardous Air Pollutants (HAPs) [326 IAC 20-1][40 CFR 63, Subpart A] [Table 4 to 40 CFR 63, Subpart FFFFF]

The provisions of 40 CFR 63 Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1-1, apply to the affected sources, No.2 QBOP Shop, including the Q-BOP Furnace, and shop ancillary operations (hot metal mixers, hot metal desulfurization, slag skimming, ladle metallurgy, and roof monitoring, except when otherwise specified by Table 4 to 40 CFR 63, Subpart FFFFF.

D.9.2 Lake County PM₁₀ Emission Requirements [326 IAC 6.8-2-38]

Pursuant to 326 IAC 6.8-2-38, the PM₁₀ emissions from the Number 2 Q-BOP Shop operations shall comply with the following:

- did not receive stack #5's*
- (a) The PM₁₀ emissions from the Number 2 Q-BOP Hot Metal Transfer and Desulfurization Baghouses discharge NS6144 shall not exceed to 0.007 grains per dry standard cubic foot of exhaust air and 13.0 pounds per hour.
 - (b) The PM₁₀ emissions from the Number 2 Q-BOP Secondary Emissions Baghouse stack NS6123 shall not exceed 0.007 grains per dry standard cubic foot of exhaust air and 27.0 pounds per hour.
 - (c) The PM₁₀ emissions from the Number 2 Q-BOP Gas Cleaning System stacks NS6124 and NS6125 shall not exceed 0.0153 grains per dry standard cubic foot of exhaust air and a total of 44.40 pounds per hour.
 - (d) The PM₁₀ emissions from the Number 2 Q-BOP North Flux Handling System Baghouse stack NS6626 shall not exceed to 0.0070 grains per dry standard cubic foot of exhaust air and 1.80 pounds per hour.
 - (e) The emissions from the Number 2 Q-BOP South Flux Handling System Baghouse stack NS6625, shall not exceed 0.0070 grains per dry standard cubic foot of exhaust air and 1.80 pounds per hour.
 - (f) The PM₁₀ emissions from the Number 2 Q-BOP LMF Number 1 Hot Fume Exhaust Baghouse Stack NS6146 shall not exceed 0.007 grains per dry standard cubic foot of exhaust air and 5.1 pounds per hour.
 - (g) The PM₁₀ emissions from the Number 2 Q-BOP LMF Number 2 Hot Fume Exhaust Baghouse Stack NS6147 shall not exceed 0.007 grains per dry standard cubic foot of exhaust air and 5.1 pounds per hour.
 - (h) The PM₁₀ emissions from the Number 2 Q-BOP LMF Number 3 Hot Fume Exhaust and Material Handling Baghouse Stack NS6148 shall not exceed 0.0070 grains per dry standard cubic foot of exhaust air and 2.70 pounds per hour.
 - (i) The PM₁₀ emissions from the Number 2 Q-BOP LMF Numbers 1 and 2 Material Handling Baghouse Stack NS6055, shall not exceed 0.007 grains per dry standard cubic foot of exhaust air and 3.83 pounds per hour.
 - (j) The PM₁₀ emissions from the Number 2 Q-BOP RH Vacuum Degasser Slag Conditioning Baghouse stacks S-1 through S-6 shall not exceed 0.007 grains per dry standard cubic foot of exhaust air and 5.49 pounds per hour.
 - (k) Each emission limit applies to one (1) stack serving one (1) facility unless otherwise noted. The emissions limitations apply to one (1) stack serving the multiple units specified when the facility description notes stack serving, and to each stack of multiple stacks serving multiple facilities when the facility description notes each stack serving".

D.9.3 Particulate Emissions Limitations [326 IAC 6.8-1-2(a)]

Pursuant to 326 IAC 6.8-1-2(a), the particulate emissions from the roof monitors NS6631, NS6632, NS6633 and NS6634 shall not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf).

D.9.4 Lake County Opacity Limitations [326 IAC 6.8-3-4]

Pursuant to 326 IAC 6.8-3-4 the visible emissions from the Number 2 Q-BOP Shop operations shall be limited as follows:

- (a) Opacity from the Number 2 Q-BOP Hot Metal Transfer and Desulfurization Stations Baghouse stack NS6144 shall not exceed five percent (5%) for any three (3) minute average.

- (b) Opacity from the Number 2 Q-BOP Gas Cleaning system stacks NS6124 and NS6125 shall not exceed twenty percent (20%) for any six (6) minute average.
- (c) Opacity from the Number 2 Q-BOP Roof Monitor NS 6632 shall not exceed twenty percent (20%) for any three (3) minute average.
- never rec'd* { (d) Opacity from the Number 2 Q-BOP North and South Flux Handling System Baghouse stacks NS6626 and NS6625, (previously known as the flux handling line baghouse shall not exceed five percent (5%) for any three (3) minute average.
- (e) Opacity from the Number 2 Q-BOP Secondary Baghouse stack NS6123 shall not exceed five percent (5%) for any three (3) minute average.
- never rec'd* { (f) Opacity from the Number 2 Q-BOP LMF No.1 Hot Fume Exhaust Baghouse stack NS6146 shall not exceed five percent (5%) for any three (3) minute average.
- (g) Opacity from the Number 2 Q-BOP LMF No.2 Hot Fume Exhaust Baghouse stack NS6147 shall not exceed five percent (5%) for any, three (3) minute average.

D.9.5 Sulfur Dioxide (SO₂) Limitations [326 IAC 7-4.1-20(c)(3)]

Pursuant to 326 IAC 7-4.1-20(c)(3) gaseous fuel sources shall burn natural gas only:

- (a) if it is not listed in 326 IAC 7-4.1-20; or
- (b) under an operating condition not specifically listed in 326 IAC 7-4.1-20.

D.9.6 Sulfur Dioxide (SO₂) Limitations – Hot Metal Transfer and Desulfurization Stations [326 IAC 7-4.1-20]

- (a) Pursuant to the U.S. EPA Administrative Consent Order, issued January 2, 2004, the Permittee shall comply with the following:
- (1) The SO₂ emissions from the Hot Metal Transfer and Desulfurization Stations baghouse as measured during all hot metal processing activities shall not exceed 0.05 pound per ton of hot metal. Hot metal processing will include hot metal transfer, hot metal desulfurization reagent injection and hot metal skimming, as applicable.
- (2) The SO₂ emissions from the Hot Metal Transfer and Desulfurization Stations Baghouse as measured during hot metal desulfurization reagent injection only shall not exceed 0.01 pound per ton of hot metal.
- (b) Pursuant to 326 IAC 7-4.1-20(a)(1)(L) and (b)(10), the SO₂ emissions from the No. 2 QBOP Shop Hot Metal Transfer and Desulfurization Stations Baghouse shall not exceed 0.05 pounds per ton of hot metal and 28.54 pounds per hour.

D.9.7 Carbon Monoxide (CO) Limitations 326 IAC 9-1-2

Pursuant to 326 IAC 9-1-2(2), no carbon monoxide shall be discharged from the Number 2 Q-BOP furnace waste gas stream, unless the gas stream is burned in one of the following: a direct-flame afterburner, boiler or recuperative incinerator. In instances where carbon monoxide destruction is not required, carbon monoxide emissions shall be released at such elevation that the maximum ground level concentration from a single source shall not exceed twenty percent (20%) of the maximum ground one hour Indiana ambient air quality value for carbon monoxide.

D.9.8 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any associated control devices.

SECTION D.8**FACILITY OPERATION CONDITIONS****Facility Description [326 IAC 2-7-5(15)]: Number 1 BOP Shop.**

- (a) Two (2) Stations, identified as No. 1 and No. 2, Hot Metal Transfer and Desulfurization Stations. The Desulfurization Stations were originally constructed in 1981 and the Hot Metal Transfer Stations were originally constructed in 1965, and replaced in 1998. Each station consists of Hot Metal Desulfurization, SSDS0201, Hot Metal Transfer SSMT0203 and Slag Skimming SSSS0205. Hot metal from the blast furnaces is desulfurized and skimmed prior to charging in the steel making vessels. The maximum capacity of each station is 456 tons per hour. Each station is equipped with a local exhaust ventilation hood to capture emissions ducted to the Hot Metal Desulfurization/Skimming Stations Baghouse SS3100. The desulfurization units are equipped with nitrogen suppression around where the desulfurization lance penetrates the hood hole.
- (b) One (1) Flux handling system, identified as SSFH0206, constructed in 1965, used for unloading, temporary storage, and transfer of fluxing agents to the steel making vessels, with a maximum capacity of 80 tons per hour. Emissions are controlled by No.1, No. 2 and No. 3 baghouses SS3058, SS3059, and SS3053. Nos.1 and 2 exhaust inside the building and No. 3 discharges through stack SS6056.
- (c) Basic Oxygen Process (BOP) Vessels, constructed in 1965, consisting of BOP vessel M, identified as SSVM0234, vessel E, identified as SSVE0235 and vessel D, identified as SSVD0236, with a maximum capacity of 250 tons per hour each. Emissions are controlled by open combustion hoods and an exhaust emission hood collection system, which exhausts emissions to the Gas Cleaning Systems SS3103 and SS3104.
- (d) Two (2) gas cleaning systems SS3103 and SS3104 that process the exhaust gases from the three (3) steel making vessels consisting of three (3) quenchers, two (2) scuppers, two (2) venturi scrubbers, two (2) separators, two (2) gas coolers fitted with internal mist eliminators and two (2) induced draft fans. Emissions exhaust through stacks SS6102 and SS6103.
- (e) CASbell/OB Lancing Stations M, D and E, include the controlled argon stirring process and blowing of oxygen to maintain temperature and chemistry. Constructed in 1981, Station M, identified as SSCM0231, Station E identified as SSCE0232, and Station D identified as SSCD0233 with a maximum capacity of 250 tons per hour each. Emissions are controlled by the CASbell/OB Lancing baghouse SS3105, exhausting through Stack SS6104 and uncaptured emissions venting to the roof monitor SS6636.
- (f) One (1) Slingot Moulding Station, including the casting of bottom-poured steel ingots, identified as SSMS0227, constructed in 1965, exhausting to the roof monitor SS6637.
- (g) Nine (9) natural gas fired Ladle Preheaters and Dryers identified as No. 1 through 9, with 1 through 4, constructed in 1983, 5 and 6 constructed in 1982 and 7 through 9 construction unknown. Six (6) Preheaters with a capacity of 14 MMBtu/hr each and three (3) Dryers with a capacity of 10 MMBtu/hr each, identified as SSLD0230, exhausting through Roof Monitor SS6637.
- (h) One (1) Continuous Caster, identified as SCSC0274, constructed in 1967, including a Tundish dryer with a heating capacity of 7.0 MMBtu/hr per hour, continuously casting steel slabs with a maximum capacity of 275 tons per hour. Emissions exhaust through Roof Monitor SC6638.
- (i) One (1) fugitive emissions mitigation system at the No.1 BOP Shop, constructed in June 2002, consisting of a capture hood system ducted to a 99% efficient baghouse with a flow rate of 11,500 acfm.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Facility Description [326 IAC 2-7-5(15): Number 1 BOP Shop (continued):

- (j) One emergency slag skimming station with a maximum capacity of 456 tons per hour with emissions ducted to the Hot Metal Transfer Station and Desulfurization/Skimming Stations Baghouse SS3100.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.8.1 General Provisions Relating to Hazardous Air Pollutants (HAPs) [326 IAC 20-1][40 CFR 63, Subpart A] [Table 4 to 40 CFR 63, Subpart FFFFF]

The provisions of 40 CFR 63 Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1-1, apply to the affected sources, No.1 BOP Shop including the BOP Furnace, and shop ancillary operations (hot metal transfer, hot metal desulfurization, slag skimming, ladle metallurgy, and roof monitoring except when otherwise specified by Table 4 to 40 CFR 63, Subpart FFFFF.

D.8.2 Lake County PM₁₀ Emission Requirements [326 IAC 6.8-2-38]

Pursuant to 326 IAC 6.8-2-38, PM₁₀ emissions from the No. 1 Basic Oxygen Process Shop operations shall comply with the following:

- (a) The PM₁₀ emissions from the No. 1 BOP Shop Hot Metal Transfer and Desulfurization Stations Baghouse discharge shall not exceed 0.007 grains per dry standard cubic foot of exhaust air and 15.0 pounds per hour.
- (b) The PM₁₀ emissions from the No. 1 BOP Shop Gas Cleaning System Stacks SS6102 and SS6103 shall not exceed 0.011 grains per dry standard cubic foot of exhaust air and a total of 46.0 pounds per hour.
- (c) The PM₁₀ emissions from the No. 1 BOP CASBell/OB Lancing Baghouse Stack SS6104 shall not exceed 0.0070 grains per dry standard cubic foot of exhaust air and 5.10 pounds per hour. *→ 0.070 in SIP*
- (d) Each emission limit applies to one (1) stack serving one (1) facility unless otherwise noted. The emissions limitations apply to one (1) stack serving the multiple units specified when the facility description notes stack serving, and to each stack of multiple stacks serving multiple facilities when the facility description notes each stack serving.

D.8.3 Particulate Emissions Limitations [326 IAC 6.8-1-2(a)]

Pursuant to 326 IAC 6.8-1-2(a), the particulate emissions from the roof monitors SS6636, NS6637 and SS6638 shall not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf).

D.8.4 Lake County Opacity Limitations [326 IAC 6.8-3-4]

Pursuant to 326 IAC 6.8-3-4, the visible emissions from the Number 1 Basic Oxygen Furnace operations shall comply with the following:

- (a) Opacity from the Hot Metal Transfer and Desulfurization Stations baghouse stack discharge shall not exceed five percent (5%) opacity, for any three (3) minute average.
- (b) Opacity from the No. 1 BOP Shop Roof Monitor SS6636 Operations shall not exceed twenty percent (20%) for any three (3) minute average.

- (c) Opacity from the BOP Furnace Operations Gas Cleaning System Stacks SS6102 and SS6103 shall not exceed twenty percent (20%), for any six (6) minute average.

D.8.5 Sulfur Dioxide (SO₂) Limitations [326 IAC 7-4.1-20(c)(3)]

Pursuant to 326 IAC 7-4.1-20(c)(3), an emission unit shall burn natural gas only:

- (a) If it is not listed in this rule; or
- (b) under any operating condition not specifically listed in this rule.

D.8.6 Sulfur Dioxide (SO₂) Limitations Hot Metal Transfer and Desulfurization Stations [326 IAC 7-4.1-20]

- (a) Pursuant to the U.S. EPA Administrative Consent Order, issued January 2, 2004, the Permittee shall comply with the following:
 - (1) The SO₂ emissions from the Nos. 1 and 2 Hot Metal Transfer and Desulfurization Stations Baghouse as measured during all hot metal processing activities shall not exceed 0.05 pound per ton of hot metal. Hot metal processing will include hot metal transfer, hot metal desulfurization reagent injection and hot metal skimming, as applicable.
 - (2) The SO₂ emissions from the Nos. 1 and 2 Hot Metal Transfer and Desulfurization Stations Baghouse as measured during hot metal desulfurization reagent injection only shall not exceed 0.01 pound per ton of hot metal.
- (b) Pursuant to 326 IAC 7-4.1-20(a)(1)(M) and ((b)(11)), the SO₂ emissions from the Nos. 1 and 2 Hot Metal Transfer and Desulfurization Stations Baghouse shall not exceed 0.05 pounds per ton of hot metal and 28.54 pounds per hour.

D.8.7 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any associated control devices.

Compliance Determination Requirements

D.8.8 Particulate Matter Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

- (a) Within thirty (30) months after issuance of this permit or five (5) years from the date of the last compliance test which ever is earlier, in order to demonstrate compliance with Condition D.8.3, the Permittee shall perform PM₁₀ testing on the No. 1 BOP Desulfurization Baghouse discharge using the appropriate methods to measure PM₁₀ as listed in 326 IAC 6.8-4-1(1) or other methods approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. All tests shall be performed in accordance with Section C - Performance Testing.
- (b) Within thirty (30) months after issuance of this permit or two and one-half (2 ½) years from the date of the last compliance test which ever is earlier, in order to demonstrate compliance with Condition D.8.3, the Permittee shall perform PM₁₀ testing on the No. 1 BOP Gas Cleaning Systems Stacks SS6102 and SS6103 the appropriate methods to measure PM₁₀ as listed in 326 IAC 6.8-4-1(1) or other methods approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. All tests shall be performed in accordance with Section C - Performance Testing.

D.8.9 Sulfur Dioxide Testing Requirements

- (a) Pursuant to the U.S. EPA Administrative Consent Order, issued January 2, 2004, within thirty (30) months after issuance of this permit or two and one-half (2 ½) years from the

- (c) Opacity from the BOP Furnace Operations Gas Cleaning System Stacks SS6102 and SS6103 shall not exceed twenty percent (20%), for any six (6) minute average.

D.8.5 Sulfur Dioxide (SO₂) Limitations [326 IAC 7-4.1-20(c)(3)]

Pursuant to 326 IAC 7-4.1-20(c)(3), an emission unit shall burn natural gas only:

- (a) If it is not listed in this rule; or
- (b) under any operating condition not specifically listed in this rule.

D.8.6 Sulfur Dioxide (SO₂) Limitations Hot Metal Transfer and Desulfurization Stations [326 IAC 7-4.1-20]

- (a) Pursuant to the U.S. EPA Administrative Consent Order, issued January 2, 2004, the Permittee shall comply with the following:
 - (1) The SO₂ emissions from the Nos. 1 and 2 Hot Metal Transfer and Desulfurization Stations Baghouse as measured during all hot metal processing activities shall not exceed 0.05 pound per ton of hot metal. Hot metal processing will include hot metal transfer, hot metal desulfurization reagent injection and hot metal skimming, as applicable.
 - (2) The SO₂ emissions from the Nos. 1 and 2 Hot Metal Transfer and Desulfurization Stations Baghouse as measured during hot metal desulfurization reagent injection only shall not exceed 0.01 pound per ton of hot metal.
- (b) Pursuant to 326 IAC 7-4.1-20(a)(1)(M) and ((b)(11), the SO₂ emissions from the Nos. 1 and 2 Hot Metal Transfer and Desulfurization Stations Baghouse shall not exceed 0.05 pounds per ton of hot metal and 28.54 pounds per hour.

D.8.7 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any associated control devices.

Compliance Determination Requirements

D.8.8 Particulate Matter Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

- (a) Within thirty (30) months after issuance of this permit or five (5) years from the date of the last compliance test which ever is earlier, in order to demonstrate compliance with Condition D.8.3, the Permittee shall perform PM₁₀ testing on the No. 1 BOP Desulfurization Baghouse discharge using the appropriate methods to measure PM₁₀ as listed in 326 IAC 6.8-4-1(1) or other methods approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. All tests shall be performed in accordance with Section C - Performance Testing.
- (b) Within thirty (30) months after issuance of this permit or two and one-half (2 ½) years from the date of the last compliance test which ever is earlier, in order to demonstrate compliance with Condition D.8.3, the Permittee shall perform PM₁₀ testing on the No. 1 BOP Gas Cleaning Systems Stacks SS6102 and SS6103 the appropriate methods to measure PM₁₀ as listed in 326 IAC 6.8-4-1(1) or other methods approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. All tests shall be performed in accordance with Section C - Performance Testing.

D.8.9 Sulfur Dioxide Testing Requirements

- (a) Pursuant to the U.S. EPA Administrative Consent Order, issued January 2, 2004, within thirty (30) months after issuance of this permit or two and one-half (2 ½) years from the

(e) *Notification of performance test.* The owner or operator of an affected source shall notify the Administrator in writing of his or her intention to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin to allow the Administrator to review and approve the site-specific test plan required under §63.7(c), if requested by the Administrator, and to have an observer present during the test.

(f) *Notification of opacity and visible emission observations.* The owner or operator of an affected source shall notify the Administrator in writing of the anticipated date for conducting the opacity or visible emission observations specified in §63.6(h)(5), if such observations are required for the source by a relevant standard. The notification shall be submitted with the notification of the performance test date, as specified in paragraph (e) of this section, or if no performance test is required or visibility or other conditions prevent the opacity or visible emission observations from being conducted concurrently with the initial performance test required under §63.7, the owner or operator shall deliver or postmark the notification not less than 30 days before the opacity or visible emission observations are scheduled to take place.

(g) *Additional notification requirements for sources with continuous monitoring systems.* The owner or operator of an affected source required to use a CMS by a relevant standard shall furnish the Administrator written notification as follows:

(1) A notification of the date the CMS performance evaluation under §63.8(e) is scheduled to begin, submitted simultaneously with the notification of the performance test date required under §63.7(b). If no performance test is required, or if the requirement to conduct a performance test has been waived for an affected source under §63.7(h), the owner or operator shall notify the Administrator in writing of the date of the performance evaluation at least 60 calendar days before the evaluation is scheduled to begin;

(2) A notification that COMS data results will be used to determine compliance with the applicable opacity emission standard during a performance test required by §63.7 in lieu of Method 9 or other opacity emissions test method data, as allowed by §63.6(h)(7)(ii), if compliance with an opacity emission standard is required for the source by a relevant standard. The notification shall be submitted at least 60 calendar days before the performance test is scheduled to begin; and

(3) A notification that the criterion necessary to continue use of an alternative to relative accuracy testing, as provided by §63.8(f)(6), has been exceeded. The notification shall be delivered or postmarked not later than 10 days after the occurrence of such exceedance, and it shall include a description of the nature and cause of the increased emissions.

63.4 (h) *Notification of compliance status.* (1) The requirements of paragraphs (h)(2) through (h)(4) of this section apply when an affected source becomes subject to a relevant standard.

(2)(i) Before a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit to the Administrator a notification of compliance status, signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with the relevant standard. The notification shall list—

(A) The methods that were used to determine compliance;

(B) The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;

(C) The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;

(D) The type and quantity of hazardous air pollutants emitted by the source (or surrogate pollutants if specified in the relevant standard), reported in units and averaging times and in accordance with the test methods specified in the relevant standard;

(E) If the relevant standard applies to both major and area sources, an analysis demonstrating whether the affected source is a major source (using the emissions data generated for this notification);

(F) A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and

(G) A statement by the owner or operator of the affected existing, new, or reconstructed source as to whether the source has complied with the relevant standard or other requirements.

(ii) The notification must be sent before the close of business on the 60th day following the completion of the relevant compliance demonstration activity specified in the relevant standard (unless a different reporting period is specified in the standard, in which case the letter must be sent before the close of business on the day the report of the relevant testing or monitoring results is required to be delivered or postmarked). For example, the notification shall be sent before close of business on the 60th (or other required) day following completion of the initial performance test and again before the close of business on the 60th (or other required) day following the completion of any subsequent required performance test. If no performance test is required but opacity or visible emission observations are required to demonstrate compliance with an opacity or visible emission standard under this part, the notification of compliance status shall be sent before close of business on the 30th day following the completion of opacity or visible emission observations. Notifications may be combined as long as the due date requirement for each notification is met.

(3) After a title V permit has been issued to the owner or operator of an affected source, the owner or operator of such source shall comply with all requirements for compliance status reports contained in the source's title V permit, including reports required under this part. After a title V permit has been issued to the owner or operator of an affected source, and each time a notification of compliance status is required under this part, the owner or operator of such source shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in the relevant standard.

(4) [Reserved]

(5) If an owner or operator of an affected source submits estimates or preliminary information in the application for approval of construction or reconstruction required in §63.5(d) in place of the actual emissions data or control efficiencies required in paragraphs (d)(1)(ii)(H) and (d)(2) of §63.5, the owner or operator shall submit the actual emissions data and other correct information as soon as available but no later than with the initial notification of compliance status required in this section.

(6) Advice on a notification of compliance status may be obtained from the Administrator.

(i) *Adjustment to time periods or postmark deadlines for submittal and review of required communications.* (1)(i) Until an adjustment of a time period or postmark deadline has been approved by the Administrator under paragraphs (i)(2) and (i)(3) of this section, the owner or operator of an affected source remains strictly subject to the requirements of this part.

(ii) An owner or operator shall request the adjustment provided for in paragraphs (i)(2) and (i)(3) of this section each time he or she wishes to change an applicable time period or postmark deadline specified in this part.

(2) Notwithstanding time periods or postmark deadlines specified in this part for the submittal of information to the Administrator by an owner or operator, or the review of such information by the Administrator, such time periods or deadlines may be changed by mutual agreement between the owner or operator and the Administrator. An owner or operator who wishes to request a change in a time period or postmark deadline for a particular requirement shall request the adjustment in writing as soon as practicable before the subject activity is required to take place. The owner or operator shall include in the request whatever information he or she considers useful to convince the Administrator that an adjustment is warranted.

(3) If, in the Administrator's judgment, an owner or operator's request for an adjustment to a particular time period or postmark deadline is warranted, the Administrator will approve the adjustment. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an adjustment within 15 calendar days of receiving sufficient information to evaluate the request.

(4) If the Administrator is unable to meet a specified deadline, he or she will notify the owner or operator

State Implementation Plans

State of Indiana

Main Heading:	326 IAC 6.8 Particulate Matter Limitations for Lake County
Subheading:	6.8 Complete
Item Subpart:	

Citations & Dates :

State SIP Citation#:	326 IAC 6.8
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Regulatory Text:

These rules deal with Particulate Matter (PM) emission limits for Lake County, Indiana.



326 IAC 6.8.pdf



71-FR-14383_DFR.pdf



71-FR-14436_PR.pdf

Attach related files in the field below:

Final Rules

326 IAC 6.8-2-38 U.S. Steel-Gary Works

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11

Affected: IC 13-15; IC 13-17

Sec. 38. U.S. Steel-Gary Works in Lake County shall meet the following emission limits:

Source	Emission Limit (Units)	Emission Limit (lbs/hr)
Coke battery #2 precarbonization system electrostatic precipitators	not applicable	62.5 (total)
Coke battery #3 precarbonization system electrostatic precipitators	not applicable	62.5 (total)
Number 3 sinter plant coolers	0.0300 gr/dscfm	272.57 (total)
Number 3 sinter plant discharge area baghouses	0.0100 gr/dscfm	20.57 (total)
Number 3 sinter plant sinter screening station baghouse	0.0100 gr/dscfm	10.89
Number 3 sinter plant storage bins building baghouse	0.0100 gr/dscfm	0.43
Number 3 sinter plant windbox stacks	0.020 gr/dscfm	200 (total)
Number 4 boiler house boilers when three boilers are operating	0.036 lbs/MMBtu	54.1 (total)
Number 4 boiler house boilers when one or two boilers are operating	0.054 lbs/MMBtu	54.1 (total)
Plate mill batch reheat furnaces nos. 6 and 8	0.009 lbs/MMBtu	0.070 (total)
Plate mill continuous reheat furnaces 1 and 2	0.009 lbs/MMBtu	3.72 (total)
84" hot strip mill reheat furnaces nos. 1, 2, 3, and 4	0.017 lbs/MMBtu	40.80 (total)
84" hot strip mill waste heat boiler no. 1	0.043 lbs/MMBtu	10.00
84" hot strip mill waste heat boiler no. 2	0.043 lbs/MMBtu	10.00
Blast furnace number 13 stoves	0.024 lbs/MMBtu	20.40 (total)
Blast furnace number 4 stoves	0.033 lbs/MMBtu	11.70 (total)
Blast furnace number 6 stoves	0.033 lbs/MMBtu	11.70 (total)
Blast furnace number 8 stoves	0.033 lbs/MMBtu	11.70 (total)
Coke battery number 2 underfiring stack	not applicable	32.30
Coke battery number 3 underfiring stack	not applicable	25.50
Coke battery number 5 underfiring stack	not applicable	24.70
Coke battery number 7 underfiring stack	not applicable	21.30
Coke plant boiler house, boiler numbers 1 and 2	0.003 lbs/MMBtu	0.75 (total)
Coke plant boiler house, boiler number 3	0.012 lbs/MMBtu	1.80
Coke plant boiler house, boiler numbers 4 and 5	0.012 lbs/MMBtu	3.90
Coke plant boiler house, boiler number 6	0.012 lbs/MMBtu	2.00
Coke plant boiler house, boiler number 7	0.012 lbs/MMBtu	1.90
Coke plant boiler house, boiler number 8	0.012 lbs/MMBtu	2.90
Number 1 BOP hot metal desulfurization baghouse	0.007 gr/dscfm	15.0
Number 2 Q-BOP LMF numbers 1 and 2 material handling baghouse	0.007 gr/dscfm	3.83
Number 2 Q-BOP LMF number 3 hot fume exhaust/material handling baghouse	0.0070 gr/dscfm	2.70
Number 2 Q-BOP hot metal desulfurization baghouse	0.007 gr/dscfm	13.0
Number 1 BOP gas cleaning system	0.011 gr/dscfm	46.0 (total)
Number 2 Q-BOP gas cleaning system	0.0153 gr/dscfm	44.40 (total)
TBBH boiler number 6	0.039 lbs/MMBtu	27.80
TBBH boiler numbers 1, 2, 3, and 5 when four boilers are operating	0.037 lbs/MMBtu	61.0 (total)
TBBH boiler numbers 1, 2, 3, and 5 when three boilers are operating	0.050 lbs/MMBtu	61.0 (total)
TBBH boiler numbers 1, 2, 3, and 5 when one or two boilers are operating	0.074 lbs/MMBtu	61.0 (total)
Number 2 Q-BOP north flux handling system baghouse	0.0070 gr/dscfm	1.80
Number 2 Q-BOP south flux handling system baghouse	0.0070 gr/dscfm	1.80

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Number 2 Q-BOP secondary emissions baghouse	0.007 gr/dscfm	27.0
Number 3 sinter plant S1/S2 baghouse	0.0100 gr/dscfm	1.29
TBBH boiler number 4A	0.012 lbs/MMBtu	2.90
Number 13 blast furnace casthouse baghouse	0.0090 gr/dscfm	38.57
Number 1 BOP Casbell/OB lancing baghouse	0.070 gr/dscfm	5.10
Number 2 Q-BOP LMF number 1 hot fume exhaust baghouse	0.007 gr/dscfm	5.1
Number 2 Q-BOP LMF number 2 hot fume exhaust baghouse	0.007 gr/dscfm	5.1
Coke plant desulfurization facility tail gas incinerator	not applicable	0.13
Slab mill slab grinder baghouse	0.0100 gr/dscfm	2.57
EGL boiler house	0.0033 lbs/MMBtu	0.13 (total)
Coke battery number 5/7 pushing emissions control baghouse	0.017 lb/ton coke produced	1.28
Number 2 Q-BOP RH-degasser slag conditioning baghouse	0.007 gr/dscfm	5.49
Coke plant boiler house lime storage silo baghouse	0.030 gr/dscfm	0.28
Plate mill heat treatment furnace	0.003 gr/dscfm	0.096

(Air Pollution Control Board; 326 IAC 6.8-2-38; filed Aug 10, 2005, 1:00 p.m.: 28 IR 3523)

Rule 3. Lake County: Opacity Limits; Exceptions to 326 IAC 5-1-2

326 IAC 6.8-3-1 General provisions

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11

Affected: IC 13-15; IC 13-17

Sec. 1. Opacity limits listed in sections 2 through 4 of this rule shall be complied with and shall take precedence over those in 326 IAC 5-1-2 with which they conflict. (Air Pollu-

tion Control Board; 326 IAC 6.8-3-1; filed Aug 10, 2005, 1:00 p.m.: 28 IR 3524)

326 IAC 6.8-3-2 Inland Steel

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11

Affected: IC 13-15; IC 13-17

Sec. 2. Inland Steel in Lake County shall meet the following opacity limits:

Source	Opacity
Electric arc furnace direct shell evacuation system baghouse	5%, 6 minute average
Electric furnace shop roof monitor	20%, 6 minute average
Electric furnace shop ladle metallurgical station baghouse	5%, 6 minute average
Number 2 basic oxygen furnace, number 10 furnace off-gas scrubber	20%, 6 minute average
Number 2 basic oxygen furnace, number 20 furnace off-gas scrubber	20%, 6 minute average
Number 2 basic oxygen furnace caster fume collection baghouse	5%, 3 minute average
Number 2 basic oxygen furnace charging isle and reladling desulfurization baghouse	5%, 3 minute average
Number 2 basic oxygen furnace flux storage and batch baghouse	5%, 3 minute average
Number 2 basic oxygen furnace ladle metallurgy station baghouse	5%, 3 minute average
Number 2 basic oxygen furnace roof monitor	20%, 3 minute average
Number 2 basic oxygen furnace secondary ventilation system scrubber	20%, 6 minute average
Number 2 basic oxygen furnace truck and ladle hopper baghouse	5%, 3 minute average
Number 2 basic oxygen furnace tundish dump baghouse	5%, 3 minute average
Number 4 basic oxygen furnace off-gas scrubber	20%, 6 minute average
Number 4 basic oxygen furnace reladling and desulfurization baghouse	5%, 3 minute average
Number 4 basic oxygen furnace roof monitor	20%, 3 minute average
Number 4 basic oxygen furnace secondary ventilation system baghouse	5%, 3 minute average
Number 4 basic oxygen furnace vacuum degassing material handling baghouse	5%, 3 minute average
Number 7 blast furnace casthouse	15%, 6 minute average

(Air Pollution Control Board; 326 IAC 6.8-3-2; filed Aug 10, 2005, 1:00 p.m.: 28 IR 3524)

326 IAC 6.8-3-3 LTV Steel Corporation

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11

Affected: IC 13-15; IC 13-17

Final Rules

Sec. 3. LTV Steel Corporation in Lake County shall meet the following opacity limits:

Source	Opacity
Basic oxygen furnace ladle metallurgical station baghouse	5%, 3 minute average
Basic oxygen furnace main stack	20%, 6 minute average
Basic oxygen furnace reladling and desulfurization baghouse	5%, 3 minute average
Basic oxygen furnace shop roof monitor	20%, 3 minute average
<i>(Air Pollution Control Board; 326 IAC 6.8-3-3; filed Aug 10, 2005, 1:00 p.m.: 28 IR 3524)</i>	

326 IAC 6.8-3-4 U.S. Steel-Gary Works

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 4. U.S. Steel-Gary Works in Lake County shall meet the following opacity limits:

Source	Opacity
Number 1 basic oxygen furnace iron desulfurization baghouse	5%, 3 minute average
Number 1 basic oxygen furnace roof monitor	20%, 3 minute average
Number 1 basic oxygen process gas cleaning (2 units)	20%, 6 minute average
Number 2 QBOP hot metal desulfurization baghouse	5%, 3 minute average
Number 2 QBOP gas cleaning	20%, 6 minute average
Number 2 QBOP roof monitor	20%, 3 minute average
Number 2 QBOP flue handling line baghouse	5%, 3 minute average
New 2 QBOP secondary baghouse	5%, 3 minute average
Number 2 QBOP ladle metallurgy baghouse number 1	5%, 3 minute average
Number 2 QBOP ladle metallurgy baghouse number 2	5 %, 3 minute average
<i>(Air Pollution Control Board; 326 IAC 6.8-3-4; filed Aug 10, 2005, 1:00 p.m.: 28 IR 3525)</i>	

Rule 4. Lake County: Opacity Limits; Test Methods

326 IAC 6.8-4-1 Test methods

Authority: IC 13-14-8; IC 13-17-3-4; IC 13-17-3-11
Affected: IC 13-15; IC 13-17

Sec. 1. Test methods for 326 IAC 6.8-2 through 326 IAC 6.8-8 shall be as follows:

- (1) Emissions of PM₁₀ shall be measured by any of the following:
 - (A) 40 CFR 51, Appendix M, Method 201*.
 - (B) 40 CFR 51, Appendix M, Method 201A*.
 - (C) The volumetric flow rate and gas velocity shall be determined in accordance with 40 CFR 60, Appendix A, Method 1, 1A, 2, 2A, 2C, 2D, 3, or 4*.
- (2) Emissions for TSP matter shall be measured by the following methods:
 - (A) 40 CFR 60, Appendix A, Methods 5, 5A, 5D, 5E, or 17*. Method 17 may not be used when the stack gas temperature exceeds two hundred forty-eight (248) degrees Fahrenheit. (±25°F).
 - (B) The volumetric flow rate and gas velocity shall be determined in accordance with 40 CFR 60, Appendix A, Methods 1, 1A, 2, 2A, 2C, 2D, 3, or 4*.
- (3) Measurements of opacity shall be conducted in accor-

dance with the following:

- (A) 40 CFR 60, Appendix A, Method 9*, except for those sources where a three (3) minute averaging time is required.
- (B) Sources requiring a three (3) minute averaging time are subject to all parts of Method 9* except the six (6) minute averaging provision. In these cases, the opacity shall be determined as an average of twelve (12) consecutive observations recorded at fifteen (15) second intervals.
- (4) Emissions of sulfuric acid mist shall be measured in accordance with 40 CFR 60, Appendix A, Method 8*.
- (5) Compliance with the mass emission limits for the sinter plant windbox stacks at U.S. Steel-Gary Works in 326 IAC 6.8-2 shall be determined by the following:
 - (A) The simultaneous sampling and analysis of both noncondensibles (front half) and condensibles (back half) particulate matter.
 - (B) The quantity of noncondensibles particulate matter in the gas stream shall be determined in accordance with the procedures specified in 40 CFR 60, Appendix A, Method 5*.
 - (C) The quantity of condensible particulate matter in the gas stream shall be determined in accordance with 40 CFR 51, Appendix M, Method 202*, with the following modifications:

(1) All required CMS measurements (including monitoring data recorded during unavoidable CMS breakdowns and out-of-control periods);

(2)–(4) [Reserved]

(5) The date and time identifying each period during which the CMS was inoperative except for zero (low-level) and high-level checks;

(6) The date and time identifying each period during which the CMS was out of control, as defined in §63.8(c)(7);

(7) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions and parameter monitoring exceedances, as defined in the relevant standard(s), that occurs during startups, shutdowns, and malfunctions of the affected source;

(8) The specific identification (i.e., the date and time of commencement and completion) of each time period of excess emissions and parameter monitoring exceedances, as defined in the relevant standard(s), that occurs during periods other than startups, shutdowns, and malfunctions of the affected source;

(9) [Reserved]

(10) The nature and cause of any malfunction (if known);

(11) The corrective action taken or preventive measures adopted;

(12) The nature of the repairs or adjustments to the CMS that was inoperative or out of control;

(13) The total process operating time during the reporting period; and

(14) All procedures that are part of a quality control program developed and implemented for CMS under §63.8(d).

(15) In order to satisfy the requirements of paragraphs (c)(10) through (c)(12) of this section and to avoid duplicative recordkeeping efforts, the owner or operator may use the affected source's startup, shutdown, and malfunction plan or records kept to satisfy the recordkeeping requirements of the startup, shutdown, and malfunction plan specified in §63.6(e), provided that such plan and records adequately address the requirements of paragraphs (c)(10) through (c)(12).

63.10 (d) *General reporting requirements.* (1) Notwithstanding the requirements in this paragraph or paragraph (e) of this section, and except as provided in §63.16, the owner or operator of an affected source subject to reporting requirements under this part shall submit reports to the Administrator in accordance with the reporting requirements in the relevant standard(s).

→ (2) *Reporting results of performance tests.* Before a title V permit has been issued to the owner or operator of an affected source, the owner or operator shall report the results of any performance test under §63.7 to the Administrator. After a title V permit has been issued to the owner or operator of an affected source, the owner or operator shall report the results of a required performance test to the appropriate permitting authority. The owner or operator of an affected source shall report the results of the performance test to the Administrator (or the State with an approved permit program) before the close of business on the 60th day following the completion of the performance test, unless specified otherwise in a relevant standard or as approved otherwise in writing by the Administrator. The results of the performance test shall be submitted as part of the notification of compliance status required under §63.9(h).

(3) *Reporting results of opacity or visible emission observations.* The owner or operator of an affected source required to conduct opacity or visible emission observations by a relevant standard shall report the opacity or visible emission results (produced using Test Method 9 or Test Method 22, or an alternative to these test methods) along with the results of the performance test required under §63.7. If no performance test is required, or if visibility or other conditions prevent the opacity or visible emission observations from being conducted concurrently with the performance test required under §63.7, the

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- (A) Maintain on-site the preventive maintenance plan required under section 4(c)(9) of this rule.
- (B) Implement the preventive maintenance plan.
- (C) Forward to the department upon request the preventive maintenance plan.
- (14) Except as otherwise provided in section 15 or 20 of this rule, a provision providing the Part 70 permit shield described in section 15 of this rule.
- (15) Descriptive information.
- (16) Terms and conditions, if requested by the permit applicant, that, notwithstanding the modification approval requirements under section 10.5 of this rule or the permit modification or revision requirements under section 12 of this rule, allow the source to make specifically identified modifications without review, provided the operating permit includes terms and conditions that prescribe emissions limitations and standards applicable to specifically identified modifications or types of modifications which may occur during the term of the permit. Such permit conditions shall include the following:
 - (A) Emission limitations and standards necessary to assure compliance with the permit terms and conditions and all applicable requirements.
 - (B) Monitoring, testing, reporting, and record keeping requirements that are necessary to assure all reasonable information is provided to evaluate continuous compliance with the permit terms and conditions, the underlying requirements of this title, and the CAA.

*These documents are incorporated by reference. Copies may be obtained from the Government Printing Office, 732 North Capitol Street NW, Washington, D.C. 20401 or are available for review and copying at the Indiana Department of Environmental Management, Office of Air Quality, Indiana Government Center-North, Tenth Floor, 100 North Senate Avenue, Indianapolis, Indiana 46204. (*Air Pollution Control Board; 326 IAC 2-7-5; filed May 25, 1994, 11:00 a.m.: 17 IR 2257; filed Apr 22, 1997, 2:00 p.m.: 20 IR 2341; filed Nov 25, 1998, 12:13 p.m.: 22 IR 1035; errata filed May 12, 1999, 11:23 a.m.: 22 IR 3106; filed Dec 20, 2001, 4:30 p.m.: 25 IR 1588*)

326 IAC 2-7-6 Compliance requirements

Authority: IC 13-1-1-4; IC 13-7-10
 Affected: IC 13-7

Sec. 6. Each Part 70 permit issued under this rule shall contain the following requirements with respect to compliance:

- (1) Compliance certification, testing, monitoring, reporting, and record keeping requirements sufficient to assure compliance with the terms and conditions of a Part 70 permit consistent with section 5(3) of this rule. Any document (including reports) required by a Part 70 permit shall contain a certification by a responsible official that meets the requirements of section 4(f) of this rule.
- (2) Inspection and entry requirements that require that, upon presentation of credentials and other documents as may be required by law, the permittee shall allow the commissioner, an authorized representative of the commissioner, or the U.S. EPA to perform the following:
 - (A) Enter upon the permittee's premises where a Part 70 source is located or emissions related activity is conducted, or where records must be kept under the conditions of a Part 70 permit.
 - (B) Have access to and copy any records that must be kept under the conditions of a Part 70 permit.
 - (C) Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under a Part 70 permit.
 - (D) As authorized by the CAA, sample or monitor substances or parameters for the purpose of assuring compliance with a Part 70 permit or applicable requirements.
- (3) A compliance schedule consistent with section 4(c)(10) of this rule.
- (4) Progress reports consistent with an applicable schedule of compliance and section 4(c)(10) of this rule shall be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the commissioner. Such progress reports shall contain the following:
 - (A) Dates for achieving the activities, milestones, or compliance required in the schedule of compliance and dates when such activities, milestones, or compliance were achieved.
 - (B) An explanation of why any dates in the schedule of compliance were not or will not be met and any preventive or corrective measures adopted.
- (5) Requirements for compliance certification with terms and conditions contained in a Part 70 permit, including emission

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limitations, standards, or work practices. Part 70 permits shall include each of the following:

- (A) The frequency (not less than annually or such more frequent periods as specified in the applicable requirements or by the commissioner) of submissions of compliance certifications.
- (B) In accordance with section 5(3) of this rule, a means for monitoring the compliance of the source with its emissions limitations, standards, and work practices.
- (C) A requirement that the compliance certification include the following:
 - (i) The identification of each term or condition of a Part 70 permit that is the basis of the certification.
 - (ii) The compliance status.
 - (iii) Whether compliance was continuous or intermittent.
 - (iv) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with section 5(3) of this rule.
 - (v) Such other facts as the commissioner may require to determine the compliance status of the source.
- (D) A requirement that all compliance certifications be submitted to the U.S. EPA as well as to the commissioner.
- (E) Such additional requirements as may be specified under Sections 114(a)(3) and 504(b) of the CAA.
- (6) Such other provisions as the commissioner may require.

(Air Pollution Control Board; 326 IAC 2-7-6; filed May 25, 1994, 11:00 a.m.: 17 IR 2259)

326 IAC 2-7-7 Federally enforceable requirements

Authority: IC 13-1-1-4; IC 13-7-10
 Affected: IC 4-22-9-5; IC 13-7

Sec. 7. (a) All terms and conditions in a Part 70 permit, including any provisions designed to limit a source's potential to emit, are enforceable by the U.S. EPA and citizens under the CAA.

(b) Notwithstanding subsection (a), the commissioner shall specifically designate as not being federally enforceable under the CAA, any terms and conditions included in a Part 70 permit that are not required under the CAA or under any of its applicable requirements. Permit terms and conditions so designated are not subject to the requirements of this section, and are not subject to the U.S. EPA and affected state review provisions in sections 8, 9, 11, 12, 17, and 18 of this rule. *(Air Pollution Control Board; 326 IAC 2-7-7; filed May 25, 1994, 11:00 a.m.: 17 IR 2260)*

326 IAC 2-7-8 Permit issuance, renewal, and revisions

Authority: IC 13-14-8; IC 13-15-2; IC 13-17-3-4; IC 13-17-3-11
 Affected: IC 13-15; IC 13-17

Sec. 8. (a) A Part 70 permit, Part 70 permit modification, or renewal may be issued only if all of the following conditions have been met:

- (1) The commissioner has received a complete application for a Part 70 permit, permit modification, or Part 70 permit renewal, except that a complete application need not be received before issuance of a general Part 70 permit under section 13 of this rule.
- (2) Except for administrative amendments under section 11 of this rule, the commissioner has complied with the requirements for public notice under section 17 of this rule.
- (3) The commissioner has complied with the requirements of section 17 of this rule for notifying and responding to affected states.
- (4) The conditions of a Part 70 permit provide for compliance with all applicable requirements and the requirements of this rule.
- (5) The U.S. EPA has received a copy of the proposed Part 70 permit and any notices required and has not objected to issuance of the Part 70 permit within the time period specified in section 18(b), 18(c), or 18(d) of this rule.

(b) Except as provided under the initial transition plan provided for under 40 CFR 70.4(b)(11)* or under regulations promulgated under Title IV or Title V of the CAA for the permitting of affected sources under the acid rain program, the commissioner shall take final action on each Part 70 permit application (including a request for Part 70 permit modification or renewal) within eighteen (18) months or such lesser time approved by the U.S. EPA, after receiving a complete application.

(c) The commissioner shall promptly provide notice to the applicant of whether the application is complete. Unless the